



برنامج دبلوم فني تمريض

نبذة عن المعهد:

معهد الجامعة للعلوم الطبية هو معهد طبي خاص تأسس في مدينة ذمار عام ٢٠٠٤م عُرف سابقاً باسم معهد الجامعة للعلوم الطبية والتقنية، بترخيص من وزارة الصحة العامة والسكان كأول مؤسسة تعليمية خاصة في المحافظات الوسطية، وقد ارتبط تأسيس المعهد في محافظ ذمار بالحاجة الملحة لتغطية متطلبات المحافظة وما جاورها من الكوادر الطبية في المرافق الحكومية والخاصة. سعى المعهد ضمن خطته الاستراتيجية في توسيع نشاطه وخدماته في محافظات أخرى، ففي العام ٢٠٠٦م تم فتح فرع للمعهد بإمارة العاصمة – صنعاء، وفي العام ٢٠٠٨م فتح فرع للمعهد في محافظة تعز. ويسعى المعهد ضمن خطة الاستراتيجية إلى استحداث عدد من البرامج الجديدة خلال العام ٢٠٢٦م تلبي احتياجات سوق العمل وتسهم في تحقيق التنمية المستدامة.

يعتمد نظام الدراسة في معهد الجامعة على نظام الساعات المعتمدة الذي تُقسم السنة الدراسية بموجبه إلى فصلين دراسيين مدة كل منهما (١٦) أسبوعاً دراسياً. مدة الدراسة في أي قسم من أقسام معهد الجامعة كانت لمدة سنتين لأربع دُفع، وفي عام ٢٠٠٨ تحول فترة الدراسة بالدبلوم لـ ٣ سنوات دراسية، يُمنح بعدها الطالب الذي اجتاز جميع المقررات درجة الدبلوم العالي، كما يقدم المعهد حوالي ٢٤ منحة دراسية مجانية سنوياً إسهاماً لخدمة المجتمع.

تخرج من معهد الجامعة ٢٠ دفعة حتى نهاية العام ٢٠٢٥م أول دفعة تخرجت بنظام السنتين في العام ٢٠٠٥/٢٠٠٦م وأول دفعة بنظام الثلاث السنوات في العام ٢٠١٠م خريجي معهد الجامعة للعلوم الطبية يشغلون حالياً الكثير من المناصب المهنية والإدارية في القطاعين العام والخاص.

ولم يتوقف عطاء المعهد عند منح شهادة الدبلوم العالي بل استمر في التوسع والتطوير وكان اللبنة الأولى لإنشاء مؤسسة الحكمة التعليمية التي تتضمن (معهد الجامعة للعلوم الطبية – كلية الحكمة للعلوم الطبية والتقنية – جامعة الحكمة).

أقسام المعهد:

يوجد في معهد الجامعة للعلوم الطبية بمركزه الرئيس بمدينة ذمار وفرعيه في أمانة العاصمة صنعاء وتغز عدد (٧) أقسام، كما يوضحه الجدول التالي:

جدول: أقسام المعهد بالمركز الرئيس والفروع

القسم	المركز الرئيس محافظة ذمار	أمانة العاصمة صنعاء	محافظة تغز
فني صيدلة	✓	✓	✓
فني مساعد طبي	✓	✓	✓
فني مختبرات طبية	✓	✓	✓
فني أسنان	✓	✓	✓
مساعد طبيب أسنان	/////	/////	✓
فني قبالة	✓	✓	/////
فني تمريض	✓	✓	✓

نظام الدراسة في المعهد:

يدرس معهد الجامعة للعلوم الطبية المنهج الدراسي المعتمد من وزارة الصحة العامة والسكان والذي تم تعميمه على جميع المعاهد الصحية الخاصة في الجمهورية اليمنية، ويعتمد المعهد نظاماً تعليمياً على النحو الآتي:

- نظام الدراسة: الساعات المعتمدة.
- عدد الساعات المعتمدة للبرنامج: (١٢٠).
- عدد الفصول: فصلان دراسيان في السنة.
- مدة الفصل: ١٦ أسبوعاً.
- مدة الدراسة: ٣ سنوات (٦ فصول دراسية).
- الشهادة: دبلوم عالي فني تمريض.

رؤية ورسالة وأهداف المعهد:

الرؤية:

الريادة محلياً والتميز إقليمياً في التعليم والتدريب الصحي.

الرسالة:

تقديم برامج تعليمية وتدريبية صحية وفقاً لمعايير الجودة والاعتماد، لإعداد كوادر صحية مؤهلة علمياً ومهنياً وملتزمة بأخلاقيات المهنة؛ لتلبية احتياجات سوق العمل المحلي والإقليمي، والمساهمة في تحسين الخدمات الصحية وخدمة المجتمع وتحقيق التنمية المستدامة، من خلال بيئة تعليمية وتدريبية وبحثية محفزة وشراقات فاعلة.

الأهداف:

1. تطوير وتقديم برامج تعليمية وتدريبية صحية نوعية تواكب المستجدات العلمية وفقاً لمعايير الجودة والاعتماد الأكاديمي.
2. إعداد كوادر صحية مؤهلة علمياً ومهنياً وملتزمة بأخلاقيات المهنة وتلبي احتياجات سوق العمل المحلي والإقليمي.
3. تنمية قدرات الكادر الأكاديمي والإداري وتطويرها من خلال برامج التأهيل والتدريب المستمر، بما يسهم في رفع كفاءة الأداء وتحسين جودة المخرجات.
4. تطوير البنية التحتية والمعامل والتجهيزات، بما يضمن توفير بيئة تعليمية وتدريبية وبحثية داعمة للجودة والتميز.
5. تعزيز الشراكات والتعاون مع المؤسسات الأكاديمية والصحية والجهات ذات العلاقة لدعم التعليم والتدريب والبحث العلمي، وتبادل الخبرات.
6. الإسهام في خدمة المجتمع من خلال تنفيذ البرامج التدريبية والاستشارية والتوعوية والمبادرات الصحية، بما يدعم تحقيق التنمية الصحية المستدامة.

القيم:

- ✓ الأخلاقيات المهنية
- ✓ الجودة والتميز
- ✓ العمل بروح الفريق
- ✓ الريادة والتطوير المستمر.
- ✓ المسؤولية المجتمعية.
- ✓ الشفافية والمساءلة.

رؤية ورسالة وأهداف قسم فني تمريض:

الرؤية:

الريادة محلياً والتميز إقليمياً في إعداد فنيي تمريض أكفاء.

الرسالة:

تقديم برنامج تعليمي وتدريبى وفق معايير الجودة والاعتماد الأكاديمي، لإعداد كوادر مؤهلين علمياً ومهنياً وتحليلين بأخلاقيات المهنة وقادرين على تقديم رعاية تمريضية آمنة وشاملة في مختلف مستويات الرعاية الصحية، من خلال توفير بيئة تعليمية وتدريبية محفزة وشراكات فاعلة، بما يلبي احتياجات سوق العمل المحلي والإقليمي، ويسهم في خدمة المجتمع وتحقيق التنمية الصحية المستدامة.

الأهداف:

1. تقديم برنامج تعليمي وتدريبى وتطويره باستمرار وفق معايير الجودة والاعتماد الأكاديمي.
2. إعداد وتأهيل كوادر تمريضية تمتلك الكفاءة العلمية والمهاراتية، وبما يلبي احتياجات سوق العمل محلياً وإقليمياً.
3. تزويد الطلبة بمهارات الأخلاقيات المهنية، واتخاذ القرار الإكلينيكي القائم على الأدلة العلمية، مع التركيز على الرعاية التي تتمحور حول المريض وسلامته في مختلف مستويات الرعاية الصحية.
4. تحديث وتطوير البنية التحتية والمعامل والتجهيزات بما يضمن توفير بيئة تعليمية وتدريبية محفزة، واكتساب الطلبة للمهارات السريرية والتقنية اللازمة بكفاءة عالية.
5. تعزيز الشراكات والتعاون المشترك مع المستشفيات والمؤسسات الصحية، والجهات ذات العلاقة لتوفير فرص تدريب سريري متميز، وتبادل الخبرات.
6. الإسهام في خدمة المجتمع من خلال تنفيذ المبادرات الصحية، والزيارات الميدانية، والأنشطة التطوعية، وتقديم برامج الإسعافات الأولية والتوعية الصحية المستدامة.

الأخلاقيات المهنية لفني التمريض:

تُعد الأخلاقيات المهنية أساس الممارسة التمريضية، وتمثل مجموعة من المبادئ والقيم التي توجه سلوك فني التمريض أثناء تقديم الرعاية الصحية، بما يضمن تقديم رعاية آمنة وعالية الجودة، تحترم حقوق المرضى وكرامتهم، وتلتزم بالأنظمة واللوائح المهنية ومعايير الجودة وسلامة المرضى. ويلتزم فني التمريض بما يأتي:

١. احترام كرامة المريض وحقوقه، وتقديم الرعاية لجميع المرضى دون تمييز، مع مراعاة معتقداتهم وقيمهم وثقافتهم.
٢. احترام استقلالية المريض ودعم حقه في المشاركة في اتخاذ القرارات المتعلقة برعايته الصحية وفق الأنظمة المعتمدة.
٣. العمل لما فيه مصلحة المريض، وتقديم الرعاية بكفاءة ومهنية، مع تجنب أي ممارسة قد تسبب له ضرراً.
٤. المحافظة على سرية المعلومات وخصوصية المريض، وعدم الإفصاح عنها إلا وفق الأنظمة والسياسات المعتمدة.
٥. التحلي بالنزاهة والصدق والأمانة في جميع الممارسات المهنية، والالتزام بالدقة في توثيق المعلومات والإجراءات.
٦. تحمل المسؤولية المهنية، والالتزام بنطاق الممارسة، والإبلاغ عن الأخطاء أو المخاطر بما يسهم في تعزيز سلامة المرضى وتحسين جودة الرعاية.
٧. الالتزام بمعايير سلامة المرضى ومكافحة العدوى، وتطبيق إجراءات الصحة والسلامة المهنية في جميع الممارسات التمريضية.
٨. التواصل المهني الفعال والعمل بروح الفريق، واحترام المرضى وأسرهم وأعضاء الفريق الصحي؛ بما يحقق رعاية صحية متكاملة.
٩. الالتزام بالحدود المهنية، والحفاظ على علاقة مهنية مع المرضى وأسرهم، وتجنب أي سلوك قد يؤدي إلى تضارب المصالح أو استغلال العلاقة المهنية.
١٠. الحرص على التطوير المهني المستمر، من خلال تنمية المعارف والمهارات، ومواكبة المستجدات العلمية، وتطبيق الممارسات المبنية على الدليل لتحسين جودة الرعاية الصحية.



معهد الجامعة
لعلوم الطب



Republic of Yemen
Ministry of public health & Population
High Institute of health Sciences – Sana'a



DIPLOMA IN NURSING TECHNICIAN CURRICULUM



April
2019

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Diploma in Nursing Technician Curriculum



April
2019

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معتد من رئيس المجلس العام للمعاهد
العلمية للعلوم الصحية
معالي وزير الصحة العامة والسكان

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Introduction

The institute and its branches contribute in qualified health workers in most health disciplines mainly Nursing, Midwifery, Medical Assistant, Community Health, Physiotherapy, Radiography, Health Information, Prosthetic and orthotic, Public Health, Medical laboratories and Pharmacy to meet Yemen needs.

Special attention gives to some districts and governorates that suffer from a scarcity of health human resources, especially women staff, as well as governments that suffer from conflicts, war, and displacement of staff. Therefore, the institute & its ten branches give these areas priority in the policy of admission and registration, and providing the basic elements to attract male and female students from remote areas.

In this aspect the institute has become trustworthy in society where about 1,000 students graduate from the institute and its branches every year in different health disciplines. To ensure the quality of the educational programs outputs, the institute is developing and improving the curricula regularly in accordance with approved policy and cooperation with all health partners throughout Yemen, to include the most important changes in health priorities, information, health technology and in providing health services to different categories of society. For that reasons illustrated above this project is a real performance which also was implemented by cooperation with UNICEF.

There are many justifications for developing curricula, the most important of which is that Yemen is one of the countries most affected by the problem of acute and chronic malnutrition among children worldwide. The country is currently experiencing an unprecedented epidemic of cholera, in addition to many primary health problems such as outbreaks of measles and whooping cough. Four years and more have passed since the current curricula were developed and applied. The occurrence of some changes in the methods of providing health services related to program specializations, including responding to national quality and accreditation standards, reducing the costs of in-service training and the outputs of the institute and its branches is an essential element in providing primary health care services at the national level.

The project generally aims to improve and develop the academic curricula at the institute and its branches in line with the standards of quality and academic accreditation and to meet the needs of society and the requirements of health development plans and the needs of the labor market, and to consolidate the values and principles of society and profession ethics and in line with the national vision to build the Yemeni state.

In particular, it aims to provide the graduates with the necessary capabilities to respond to the basic health problems that the country suffers from. And updating the scientific content of the targeted curricula to ensure that the new is absorbed in the health priorities and health information and technology related to the targeted specialties, and in a way that meets the needs of the local community and the labor market. And absorb the developments in the applied programs approved in the health field at the national level within educational curricula, especially programs related to the health of women and children (CBMNC, CMAM, IMCI, IYCF and EPI) also to develop the programs and courses according to the standards of the council of the quality and academic accreditation as well as developing the field experience descriptions and the practical book and check lists for each program. Curriculum orientation toward providing the graduate thinking skills, problem solving, self-learning, good communication with knowledge and teamwork.

There have been many contributions and efforts to the success of the Institute's program development and modernization project, including the outstanding and fruitful support of His Excellency the Minister of Public Health and Population Dr. Taha Ahmed Almotawakil, the support and cooperation of UNICEF in Yemen, effort and skills of the curriculum development expert Dr. Saleh Salim Ba-Hajj with participation of the academic and technical staff of the institute and its branches, Ministry of Health, supervision and following-up of the deputy dean for academic affairs Mr./ Abdullah Ahmed Musalam. All these steps and efforts led to the development and modernization of the curricula of the medical assistant, nursing and midwifery programs.

Best Wishes,,,

Dean of Institute
Dr. Abdulkarem AlKhatteeb

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Participants of Nursing Program

Expert	Dr. Salah Bahaj	Ph. D	Sana'a University
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Name	Qualification	Work place
Arwa Ahmed Alfosail.	Master of Pediatric Nursing	HIHS
Abdullah Ahmed Jaish.	Master of Nursing education	HIHS
Abdulsalam Ahmed Alaslami.	Master of Nursing education	HIHS
Abeer Mahmood Mashaal Gahdar.	Master of Nursing education	HIHS
Amat Alrahem A. Almashreqi.	BSc - laboratories	HIHS
Ammar Ali Almekhlafi	BSc - computer sciences	HIHS
Amt ALwafi Mhamed ALkuhlani.	BSc - Physiotherapy	HIHS
Basem Abdu Alakhali.	Master of HIMR	HIHS
Emad Ali Hasan Alshameri.	Master of public health	HIHS
Gameela Saleh Awadh.	BSc- Sociology	HIHS
Gamilah Esmail Al-Mutawakel.	Master of Nursing education	HIHS
Hanan Abdulkaleq Alfodai.	BSc – Laboratories	HIHS
Helal Ali Yosef.	Master of microbiology	HIHS
Ibtesam Farea Ali Al-Omairi.	Master of Nursing education	HIHS
Gamil Ghaleb Alrobai .	Ph. D – Community medicine	HIHS
Mahdi Qassim Al-Dubei.	BSc - Computer sciences	HIHS
Mariam Shoo Alomaisi.	Master of Nursing education	HIHS
Mohammed Ebrahim Alhamali.	Master of HIMR	HIHS
Mohammed Abdulqudos Al-Moutawakel.	BSc – Pharmacist	HIHS
Muneera Abdulhameed Alkhazzan.	BSc – Nursing	HIHS
Najla'a Abdullah AL-Hajiri.	Master of Nursing education & Master of Pediatric Nursing	HIHS
Raqia Mohammed Alharthi.	BSc – English	HIHS
Saddam Hassan Al-zuaree.	BSc – Nursing	HIHS
Salah Modhesh Ali Alsharabi.	BSc – Medicine	HIHS
Manal Ahmed Abo Ali.	BSc – Nursing	HIHS - branch of Hodeida
Aml Abdullah Ali Algalal.	BSc Psychology	HIHS – branch of Ibb
Afrah Mohammed Aldubhani.	Ph. D community medicine.	Sana'a University
Abdulhag Abdulraheem Albazily	Ph. D Teaching methodology	Sana'a University
Fawz M. Abo-Gaith	Ph. D Community medicine	Sana'a University

Program coordinators	Najla'a Abdullah AL-Hajiri	Master of Nursing education & Master of Pediatric Nursing	HIHS
	Abdulsalam Ahmed Alaslami	Master of Nursing education	HIHS
Designer	Futooh fadhl Aldhafif	BSc – Business Administration	HIHS

Supervisors & reviewer	Dr. Abdulkarem Abdulrahman Alkhateeb	Master of health sciences	Dean of HIHS
	Dr. Abdullah Ahmed Moslam	Master of health administration	Deputy dean of HIHS

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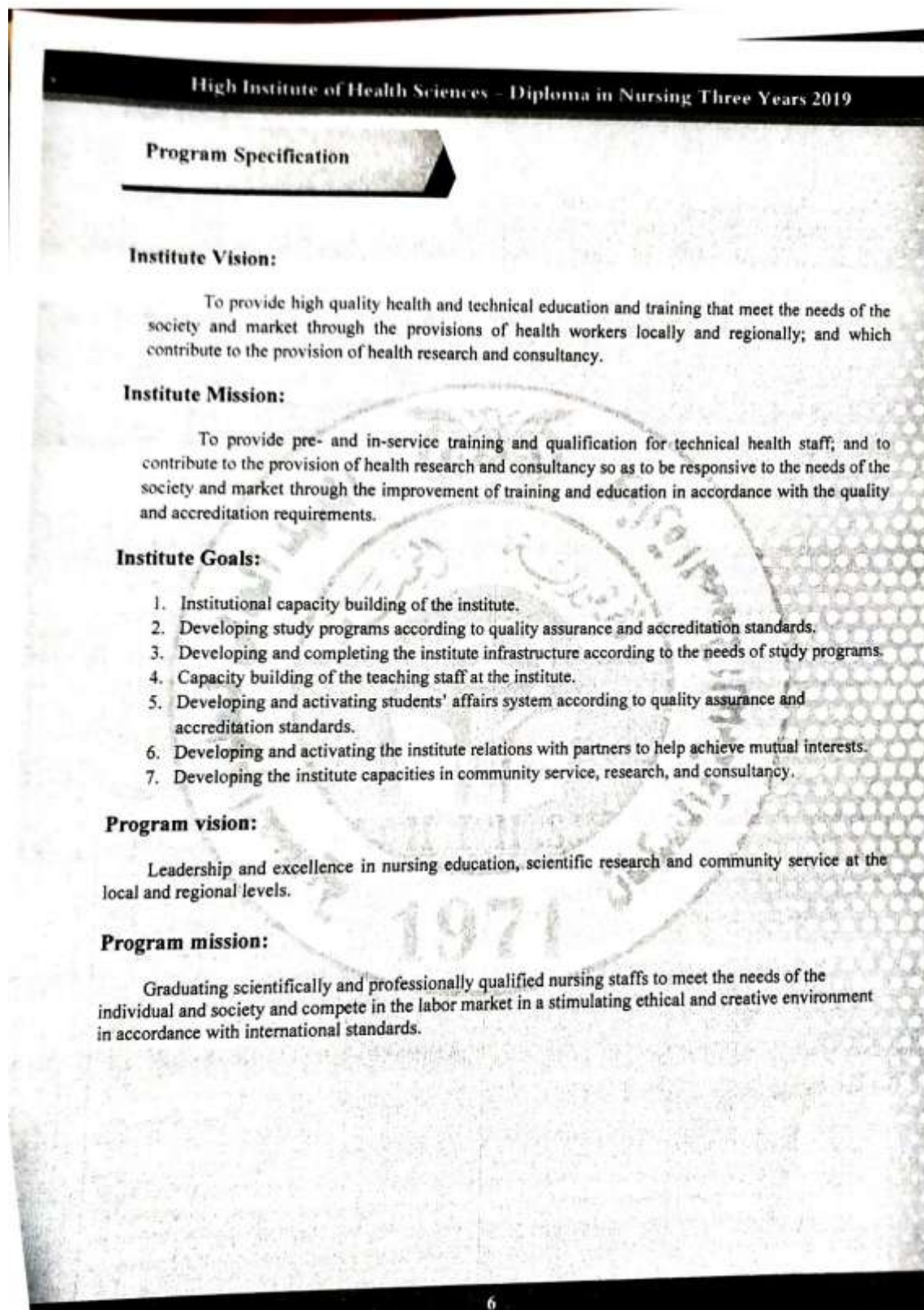
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48. Epidemiology	1
49. Graduation Project	1



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Basic information:

Program title:
Nursing diploma three years.

Program duration:
Three years – Six semesters.

Total of credit hours:
120 credit hours.

Type of certificate:
Diploma after secondary school.

Donor certificate:
High Institute of Health Sciences (HIHS).

Program section:
Nursing department.

Approval date of program:
April 2019.

7

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Basic information:

Program title:
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Three years – Six semesters.

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120 credit hours.

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Donor certificate:
High Institute of Health Sciences (HIHS).

Program section:
Nursing department.

Approval date of program:
April 2019.

7

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional information:

Program aims:

1. To prepare nurses with a sound educational programmers in nursing to enable them to function as efficient members of the health team, beginning with the competencies for first level positions in all kinds of health care settings.
2. To help nurses develop an ability to co-operate and co-ordinate with members of the health team in the prevention of disease, promotion of health and rehabilitation of the sick.
3. To help nurses in their personal and professional development, so that they are able to make maximum contribution to the society as useful and productive individuals, citizens as well as efficient nurses.
4. To serve as a base for further professional education and specialization in nursing.
5. To prepare nurses to keep pace with latest professional and technological developments and use these for providing nursing care service.

Academic standards:



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Describe definition, etiology, clinical pictures, diagnosis, treatment, complications, and nursing management for health problems in different age groups.
- a.2. Describe the structures and functions of the human body.
- a.3. Discuss principles and concepts of health administration, human interactions and research.

➤ **Methods of teaching and learning strategies:**

1. Interactive lectures.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective questions.

B. Intellectual skill:

- b.1. Integrate the results of health assessment, nursing diagnosis, and planning to provide the nursing care for different age groups.
- b.2. Analyze nursing diagnosis in developing nursing care plan.
- b.3. Evaluate nursing management provided for individuals, family, and community.

➤ **Methods of teaching and learning strategies:**

1. Group discussion.
2. Case study.

➤ **Methods of assessment:**

1. Case study questions.

C. Professional & Practical skills:

- c.1. Perform appropriate nursing activities skillfully and in according to nursing practical guidelines.
- c.2. Apply physical measurements on malnutrition cases and treat them according to CMAM program guide.
- c.3. Perform the clinical examination and treatment of children under 5 years according to IMCI program guide.
- c.4. Apply the routine care for the mother and infant according to CBMNC program guide.
- c.5. Apply the supplementary nutrition procedures according to IYCF program guide.
- c.6. Perform the practical procedures of the expanded national immunization program EPI.

➤ **Methods of teaching and learning strategies:**

1. Practice –Nursing labs.
2. Practice – Clinical.
3. Case study- practice.

➤ **Methods of assessment:**

1. OSPE.
2. OSCE.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

D. Transferable skills:

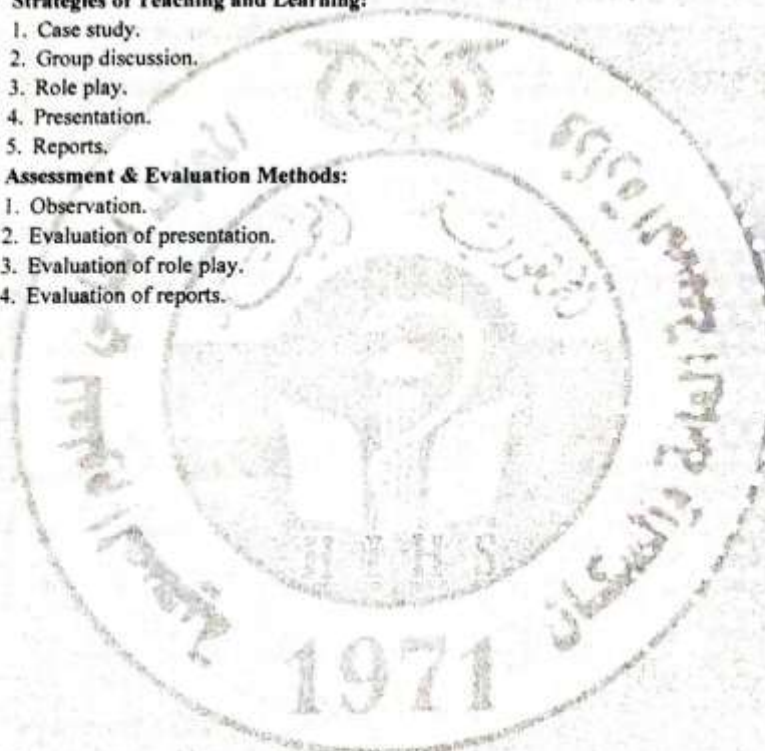
- d.1. Communicate with patients/client respectively regardless of their believes, cultures, intellectual levels and physical states.
- d.2. Work effectively with a team in different situations.
- d.3. Manages the health facilities of primary health care and nursing departments.
- d.4. Use the computer skillfully.
- d.5. Manages his time effectively.
- d.6. Write reports skillfully.

➤ **Strategies of Teaching and Learning:**

1. Case study.
2. Group discussion.
3. Role play.
4. Presentation.
5. Reports.

➤ **Assessment & Evaluation Methods:**

1. Observation.
2. Evaluation of presentation.
3. Evaluation of role play.
4. Evaluation of reports.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Curriculum structure and contents of the program:

- 1) Total Credit Hours: 120 Credit hours.
- 2) Training Credit Hours: 35 Credit hours.
- 3) Specialized courses credit hours: Number (77) Percentage: (64.17%).

Course Name	Number of Credit Hours				ILOs covered
	T.	Lab.	CL.	Total	
Fundamentals of nursing I	4	5	0	9	c.1, d.2, d.5, d.6
Fundamentals of nursing II	4	5	0	9	c.1, d.2, d.5, d.6
Medical surgical nursing I	3	1	4	8	a.1, b.1, b.2, b.3, c.1, d.1, d.2, d.5, d.6
Medical surgical nursing II	3	1	2	6	a.1, b.1, b.2, b.3, c.1, d.1, d.2, d.5, d.6
Medicine I	2	0	0	2	a.1, d.2, d.5
Medicine II	2	0	0	2	a.1, d.2, d.5
Surgery I	2	0	0	2	a.1, d.2, d.5
Surgery II	2	0	0	2	a.1, d.2, d.5
Medical specialties in nursing	2	0	0	2	a.1, b.1, b.2, b.3, c.1, d.1, d.2, d.5, d.6
Critical care nursing	2	1	2	5	a.1, b.1, b.2, b.3, c.1, d.1, d.2, d.5, d.6
Critical & emergency medicine	2	0	0	2	a.1, d.2, d.5
Maternal health nursing	3	1	2	6	a.1, b.1, b.2, b.3, c.1, c.4, d.1, d.2, d.5, d.6
Obstetrics & gynecology	2	0	0	2	a.1, d.2, d.5
Child health nursing	3	1	2	6	a.1, b.1, b.2, b.3, c.1, c.3, c.6, d.1, d.2, d.5, d.6
Pediatric medicine	2	0	0	2	a.1, d.2, d.5
Community health nursing	2	0	2	4	a.1, b.1, b.2, b.3, c.1, d.1, d.2, d.5, d.6
Community medicine	2	0	0	2	a.1, d.2, d.5
Mental health nursing	2	0	2	4	a.1, b.1, b.2, b.3, c.1, d.1, d.2, d.5, d.6
Psychiatric medicine	1	0	0	1	a.1, d.2, d.5
Graduation project	1	0	0	1	a.3, d.2, d.5, d.6
Total	46	15	16	77	

T: Theory 46

Lab.: laboratory 15*2=30

CL: Clinical 16*3=48

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

4) Program requirements

CH: Number (33)

Percentage: (27.5%)

Course Name	Number of Credit Hours				ILOs covered
	T.	Lab.	CL	Total	
Anatomy I	2	0	0	2	a.2, d.5
Anatomy II	2	0	0	2	a.2, d.5
Physiology I	2	0	0	2	a.2, d.5
Physiology II	2	0	0	2	a.2, d.5
Nursing ethics	1	0	0	1	d.1, d.5
Parasitology	2	½	0	2.5	b.1, d.5
Microbiology & immunology	2	½	0	2.5	b.1, d.5
Biochemistry	2	0	0	2	b.1, d.5
Clinical pharmacology I	2	0	0	2	a.1, d.5
Clinical pharmacology II	2	0	0	2	a.1, d.5
Nutrition & dietetic	3	0	0	3	c.2, c.5
Sociology	1	0	0	1	a.3
Psychology	1	0	0	1	a.3
Rehabilitation & physiotherapy	1	0	0	1	b.1, c.1, d.5, d.6
Primary health care	1	0	0	1	a.3
Nursing administration	1	0	1	2	a.3, d.3, d.6
Communication & health education	2	0	1	3	a.3; d.1, d.2, d.6
Basic epidemiology	1	0	0	1	a.3
Total	30	1	2	33	

T: Theory 30

Lab.: laboratory 1*2=2

CL: Clinical 2*3=6

5) Institute requirements*

CH: Number (10)

Percentage: (8.3%)

Course Name	Number of Credit Hours				ILOs covered
	T.	Lab.	CL	Total	
Computer skills	1	1	0	2	d.4, d.5
English language I	2	0	0	2	d.5, d.6
English language II	2	0	0	2	d.5, d.6
Arabic language	1	0	0	1	d.5, d.6
Islamic education	1	0	0	1	d.1, d.5
Basic of research	1	0	0	1	a.3
Health statistics	1	0	0	1	a.3
Total	9	1	0	10	

T: Theory 9

Lab.: laboratory 1*2=2

CL: Clinical 0

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Plan of the program (Program courses):

1st Year – 1st Semester:

Code No.	Course Name	Number of Credit Hours				Contact hours
		T.	Lab.	CL.	Total	
N111a	Fundamentals of nursing I	4	5	0	9	224
N112a	Anatomy I	2	0	0	2	32
N113a	Physiology I	2	0	0	2	32
N114	Biochemistry	2	0	0	2	32
N115	Sociology	1	0	0	1	16
N116	Nursing ethics	1	0	0	1	16
N117	Computer skills	1	1	0	2	48
N118a	English language I	2	0	0	2	32
N119	Arabic language	1	0	0	1	16
N1110	Islamic education	1	0	0	1	16
Total		17	6	0	23	464

T: Theory 17

Lab.: laboratory 6 *2=12

CL.: Clinical 0

1st Year – 2nd Semester:

Code No.	Course Name	Number of Credit Hours				Contact hours
		T.	Lab.	CL.	Total	
N121b	Fundamentals of nursing II	4	5	0	9	224
N122b	Anatomy II	2	0	0	2	32
N123b	Physiology II	2	0	0	2	32
N1211	Parasitology	2	1/2	0	2.5	48
N1212	Microbiology & immunology	2	1/2	0	2.5	48
N1213	Primary health care	1	0	0	1	16
N1214	Psychology	1	0	0	1	16
N128b	English language II	2	0	0	2	32
Total		16	6	0	22	448

T: Theory 16

Lab.: laboratory 6 *2=12

CL.: Clinical 0

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

2nd Year – 1st Semester:

Code No.	Course Name	Number of Credit Hours				Contact hours
		T.	Lab.	CL.	Total	
N2115a	Medical surgical nursing I	3	1	4	8	272
N2116a	Medicine I	2	0	0	2	32
N2117a	Surgery I	2	0	0	2	32
N2118	Nutrition & dietetic	3	0	0	3	48
N2119a	Clinical pharmacology I	2	0	0	2	32
N2120	Medical specialties in nursing	2	0	0	2	32
Total		14	1	4	19	448

T: Theory 14

Lab.: laboratory 1*2=2

CL: Clinical 4*3=12

2nd Year – 2nd Semester:

Code No.	Course Name	Number of Credit Hours				Contact hours
		T.	Lab.	CL.	Total	
N2215b	Medical surgical nursing II	3	1	2	6	176
N2216b	Medicine II	2	0	0	2	32
N2217b	Surgery II	2	0	0	2	32
N2221	Critical care nursing	2	1	2	5	160
N2222	Critical and emergency medicine	2	0	0	2	32
N2219b	Clinical pharmacology II	2	0	0	2	32
N2223	Rehabilitation & physiotherapy	1	0	0	1	16
Total		14	2	4	20	480

T: Theory 14

Lab.: laboratory 2*2=4

CL: Clinical 4*3=12

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

3rd Year – 1st Semester:

Code No.	Course Name	Number of Credit Hours				Contact hours
		T.	Lab.	CL.	Total	
N3124	Maternal health nursing	3	1	2	6	176
N3125	Obstetrics & gynecology	2	0	0	2	32
N3126	Child health nursing	3	1	2	6	176
N3127	Pediatric medicine	2	0	0	2	32
N3128	Basic of research	1	0	0	1	16
N3129	Health statistics	1	0	0	1	16
Total		12	2	4	18	448

T: Theory 12

Lab.: laboratory 2*2=4

CL: Clinical 4*3=12

3rd Year – 2nd Semester:

Code No.	Course Name	Number of Credit Hours				Contact hours
		T.	Lab.	CL.	Total	
N3230	Community health nursing	2	0	2	4	128
N3231	Community medicine	2	0	0	2	32
N3232	Mental health nursing	2	0	2	4	128
N3233	Psychiatric medicine	1	0	0	1	16
N3234	Nursing administration	1	0	1	2	64
N3235	Communication & health education	2	0	1	3	80
N3236	Epidemiology	1	0	0	1	16
N3237	Graduation project	1	0	0	1	16
Total		12	0	6	18	480

T: Theory 12

Lab.: laboratory 0

CL: Clinical 6*3=18

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Program admission requirements:

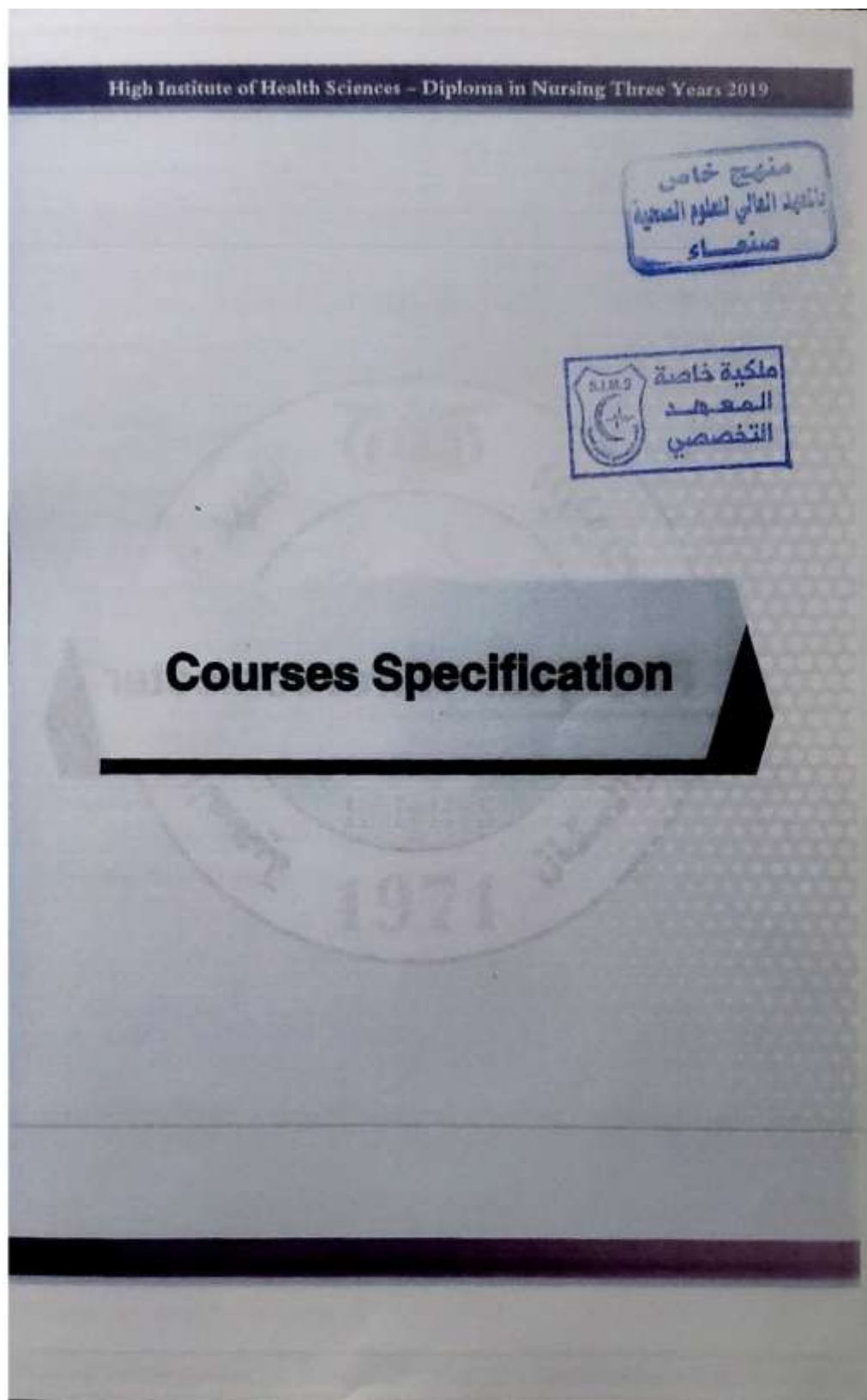
1. Candidate holds a general secondary certificate (scientific section) with not less than 65% average.
2. Candidates must pass the entrance exam and interview committee which is hold for this purpose.
3. Age: Not less than 18 years and not more than 25 years when admitted to the course.
4. The candidate must be medically fit.

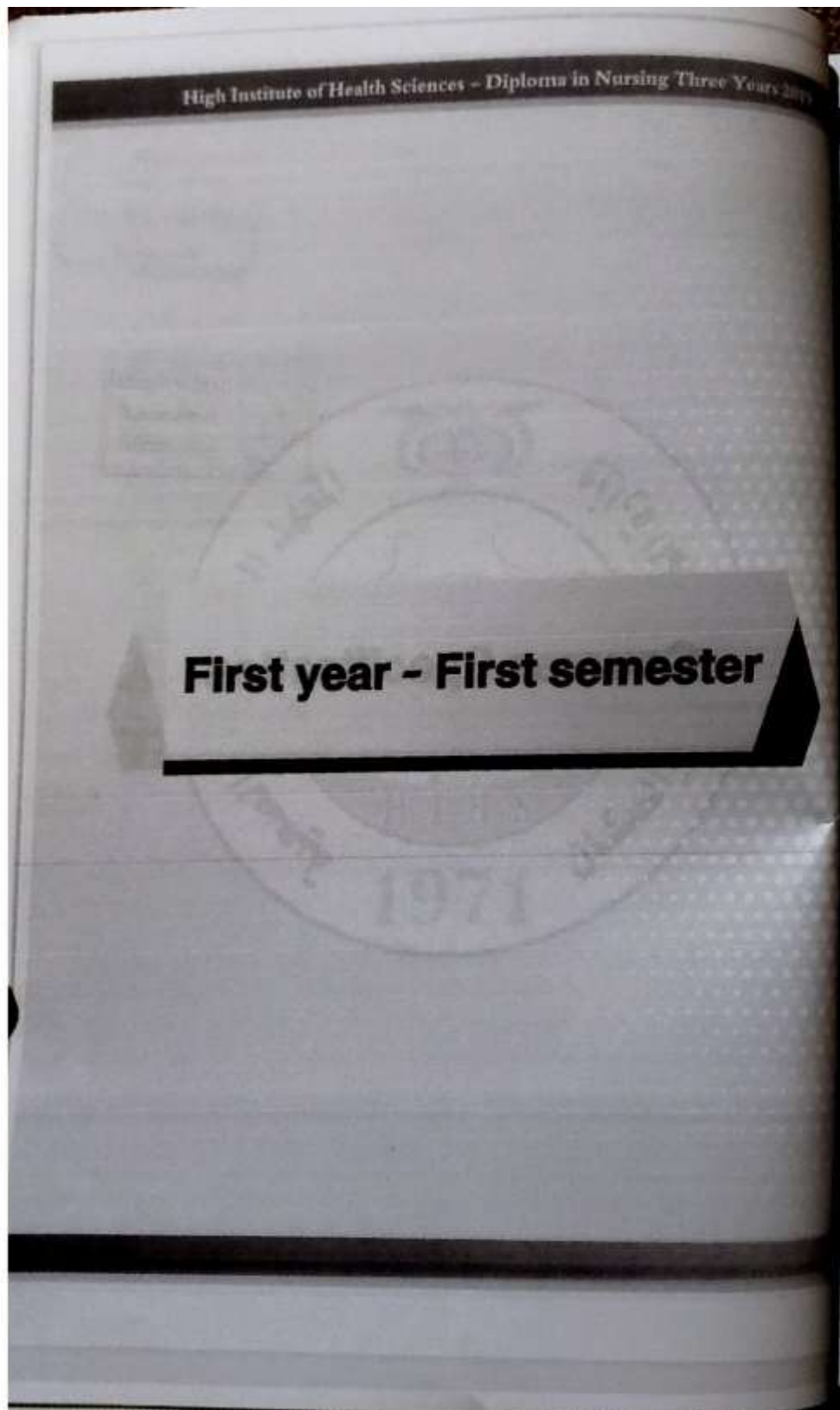
Teaching staff & Assistances:

1. Number of teaching staff: ()
2. Number of assistances staff: ()

Evaluation of program:

Evaluator	Tool	Sample
1- Senior students	Test papers	30%
2- Alumni	Questionnaire	30%
3- Stakeholder (Employers)	Questionnaire	10%
4- External Evaluator(s) (External Examiner(s))	Check list	30%
5- Other	None	None





High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Fundamentals of Nursing I

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N111a.

Credit hours:
4 credit hour's theory.
5 credit hour's lab. practical.

Academic year / Level
1st year - 1st semester.

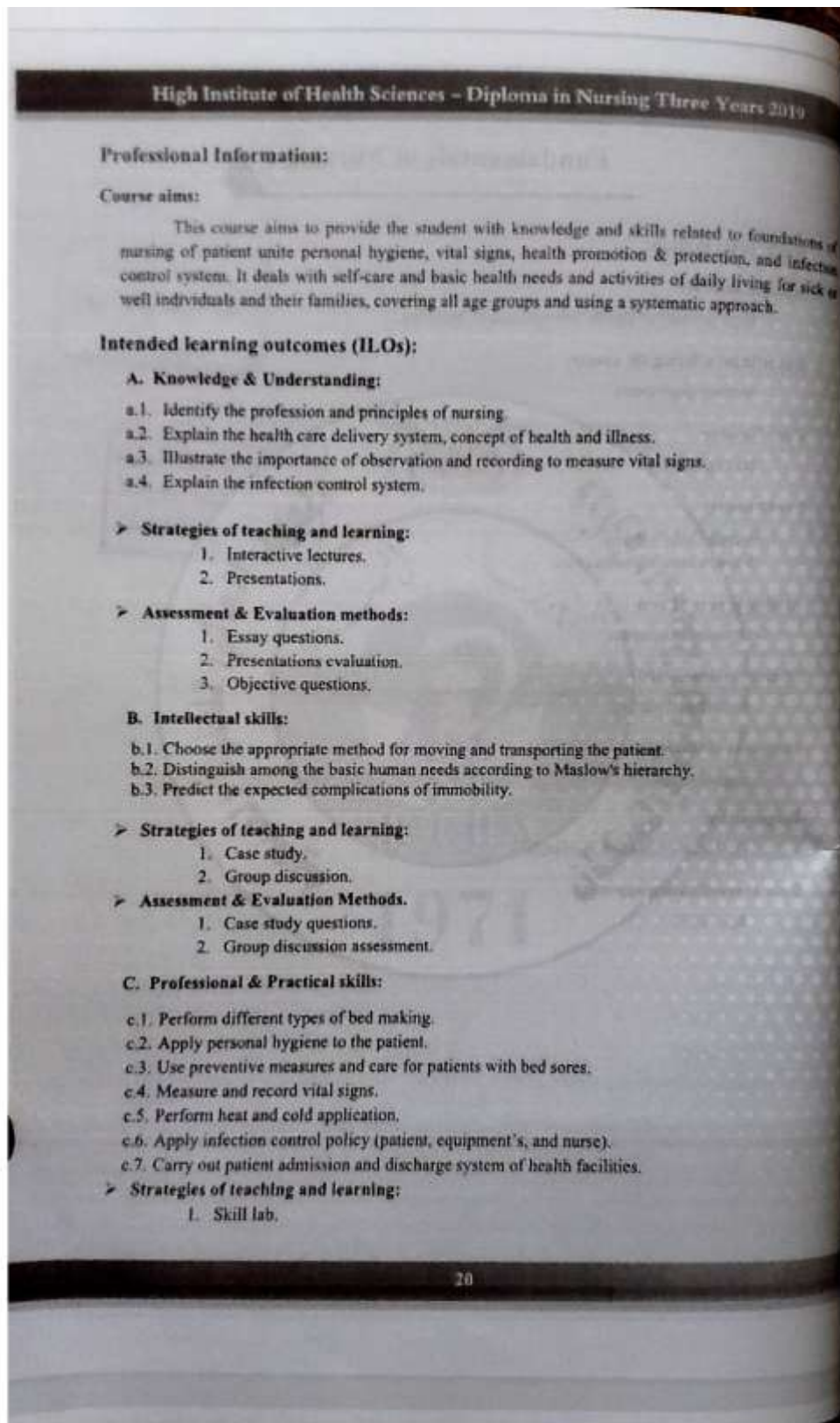
Course teaching staff:
Bachelor of nursing.

Language of teaching:
English language.

Prepared by:
Dr. Najla'a Abdullah AL-Hajiri.

Date of specification approval:
April 2019

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
2. Role play.			
➤ Assessment & evaluation methods:			
1. OSPE.			
D. Transferable skills:			
d.1. Write a report about the patient situation (according to nursing reporting, recording and documentation process).			
d.2. Apply interpersonal communication and ethics in caring for clients at different settings.			
d.3. Work effectively with a team in different situations.			
d.4. Manage his time effectively.			
➤ Strategies of teaching and learning:			
1. Case study.			
2. Role play.			
3. Report writing.			
4. Presentation.			
➤ Assessment & Evaluation methods:			
1. Case study assessment.			
2. Roles play assessment.			
3. Report assessment.			
4. Presentation assessment.			
Contents of the course:			
1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Orientation on course:	4	Interactive lecture
	• Intended learning outcomes (ILOs).		
	- Course: hours.		
	- Course outlines.		
1	Overview of nursing profession	4	Interactive lecture
	History of nursing		
	• Nursing history in Islam.		
	• Florence Nightingale.		
1	Definitions of nursing (Florence Nightingale, Virginia Henderson, & The American Nurses Association (ANA)).	4	Interactive lecture
	Aims of nursing		
	Essential concept of professional nursing:		
	- Professional nursing.		
2	- Nursing theory (nursing process).	4	Interactive lecture
	- Concept framework.		
	- Nurses role among health team.		
	- Expanded educational and career roles of nurses (continued).		

High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
No.	Subject	Contact hours	Learning & teaching strategies
	- Educational preparation for nursing practice.		
3	Health & illness: - Definition: • Health. • Disease. • Illness. • Wellness. - Illnesses classification. - Causes of disease. - Risk factors influence illness health. - Self-care & personal hygiene.	4	Interactive lecture & discussion
4	- Health maintenance. - Safety environment. - Health models. - Effect of hospitalization on patient and family illness. - Basic human needs.	4	Interactive lecture & discussion
5	Health care delivery system: - Definitions. - Levels of care. - Types of health agencies. - Health care team.	4	Developed lecture & discussion
6	Supporting physiologic health pattern: - Mobility and immobility. - Factors affecting mobility. - Physiological response to immobility. - Bed sores.	4	Role play
7	- Activity and exercise. - Body mechanism and alignment. - Factors influencing body mechanism. - Different of patient positions.	4	Interactive lecture & Group discussion
8	Midterm exam.	2	
	Heat and cold Application.	2	Case study
9	Hygiene (adult and pediatric): - Common problems of skin, feet, nails, mouth, hair, ear, and nose. - Oral care. - Bathing types and purposes.	4	Presentation
10	Assessing vital signs and deviation (adult and pediatric): - Body temperature. - Pulse. - Respirations.	4	Interactive lecture & discussion
11	- Blood pressure. - Documenting vital signs.	4	Interactive lectures

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
12	Protective health: - Body defense mechanism. - Immunity. - Types of immunity. - Chain of infection.	4	Interactive lectures & Presentation
13	- Asepsis. - Sepsis. - Infection. - Stages of an infectious process. - Manifestation of infection. - Isolation technique. - Provide safe environment. - Measures in prevention hazards.	4	Interactive lectures & Presentation
14	Promoting health: - Concept and scope of health promoting. - Activities of health promotion • Nonspecific activities. • Specific activities. - Types of health promotion program.	4	Interactive lectures
15	The interactive process: Teaching and learning: - Definition of teaching. - Definition of learning. - Domains of learning. - Principles of learning: - Factors facilitating learning. Reporting, recording and documentation: - Definition of report. - Definition of record. - Definition of discussion. - Purpose of client's record. - Components of medical records.	4	Interactive lectures
16	- Patient admission to healthcare facility - Patient discharge.	4	Interactive lectures
Total hours		64	



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

2. Training subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Orientation on skill lab: • Patient unit. • Routine hand washing	10	Nursing lab.
2	Principles of body mechanism: • Moving and turning client. • Using body mechanics to move patients. • Providing Range-of-Motion Exercises. • Assisting with Ambulation. • Helping Patients with Crutch walking. • Transferring a Patient to a Stretcher.	10	Nursing lab.
3	Bed making: - Unoccupied bed. • Open bed. • Close bed.	10	Nursing lab.
4	- Occupied bed.	10	Nursing lab.
5	- Surgical bed.	10	Nursing lab.
6	Positioning of patient in bed: • Supine. • Prone. • Lateral. • Fowler. • Sims. • Trendelenburg. • Reversed Trendelenburg. • Lithotomy.	10	Nursing lab.
7	Personal hygiene: • Mouth care. • Bed bath (adult and child bath).	10	Nursing lab.
8	Midterm exam.	10	Nursing lab.
9	• Hair shampoo.	10	Nursing lab.
10	• Perineal care.	10	Nursing lab.
10	• Back massage & Care of back.	10	Nursing lab.
11	Vital signs (adult & pediatric): • Pulse. • Respiration. • Temperature.	10	Nursing lab.
12	• Blood pressure.	10	Nursing lab.
12	• Recording & reporting.	10	Nursing lab.
13	Heat and cold Application.	10	Nursing lab.
14	Medical and surgical asepsis: • Disinfection. • Personal protective equipment (gown, mask, head cap, and cover shoes). • Preparing sterile field & handling sterile supplies. • Surgical hand washing (scrubbing).	10	Nursing lab.



معهد الجامعة
لعلوم الصحة



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

N.	Subject	Contact hours	Lab. Hospital, field
15	- Applying & removing sterile gloves. - Sterile personal protective equipment's (sterile Gown). Instruments management: - Decontamination of equipment's and environment. - Cleaning of equipment's. - Packing & wrapping instruments. - High level disinfection (HLD): - Boiling. - Chemicals. - Sterilization: - Steam Sterilization by Autoclave. - Dry heat (oven). - Chemical sterilization. - Radiation. - Storage of sterilized or disinfected equipment. - Safely disposal for medical and nonmedical wastes.	10	Nursing lab.
16	Patient safety: Use side rails. Patient admission & discharge.	10	Nursing lab.
Total hours		160	

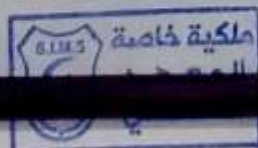
Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions, objective questions and OSPE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%



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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Assignment (group presentations).	Every 2 nd week
2	Quizzes.	Every 2 nd week
3	Midterm theoretical exam.	8 th week
4	Midterm lab. Exam.	8 th week
5	Final lab. Exam.	After 16 th week
6	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Berman, A. J., & Snyder, S. J. (2016). Kozier & Erb's fundamentals of nursing: Concepts, process, and practice (10th ed.). Upper Saddle River, NJ: Pearson.
2. Wilkinson, J.M., Treas, L.S., Barnett, K.L., & Smith, M.H. (2016). Fundamentals of nursing, theory, concepts, and applications (1st ed.). Philadelphia, pa 19103.
3. Burton, M.A. & Ludwig. (2015). Fundamentals of nursing, Concepts, Connections, & Skills (2nd ed.). Philadelphia.

Websites:

- <http://what-when-how.com/nursing/personal-hygiene-client-care-nursing-part-1/>
- <https://www.hopkinsmedicine.org/health/conditions-and-diseases/vital-signs-body-temperature-pulse-rate-respiration-rate-blood-pressure>
- <https://www.rcn.org.uk/media/royal-college-of-nursing/documents/publications/2017/november/pub-005940.pdf>

Notes:

- Hand out prepared by nursing staff.

Facilities required:

1. Date show.
2. Lab top.
3. Charts and posters.
4. White board and marker.
5. Flip chart.

Nursing lab (OSKY lab)

1. Models.
2. Patient unit's equipment's (Beds, light.....).
3. Different sheets.
4. Infection control instruments.
5. Personal protective equipment's.
6. Personal hygiene equipment's.
7. Vital signs instruments.
8. Heat and cold application equipment's.

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Anatomy I

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code number:
N112a.

Credit hours:
2 credit hour's theory.

Academic year / Level:
1st year - 1st semester.

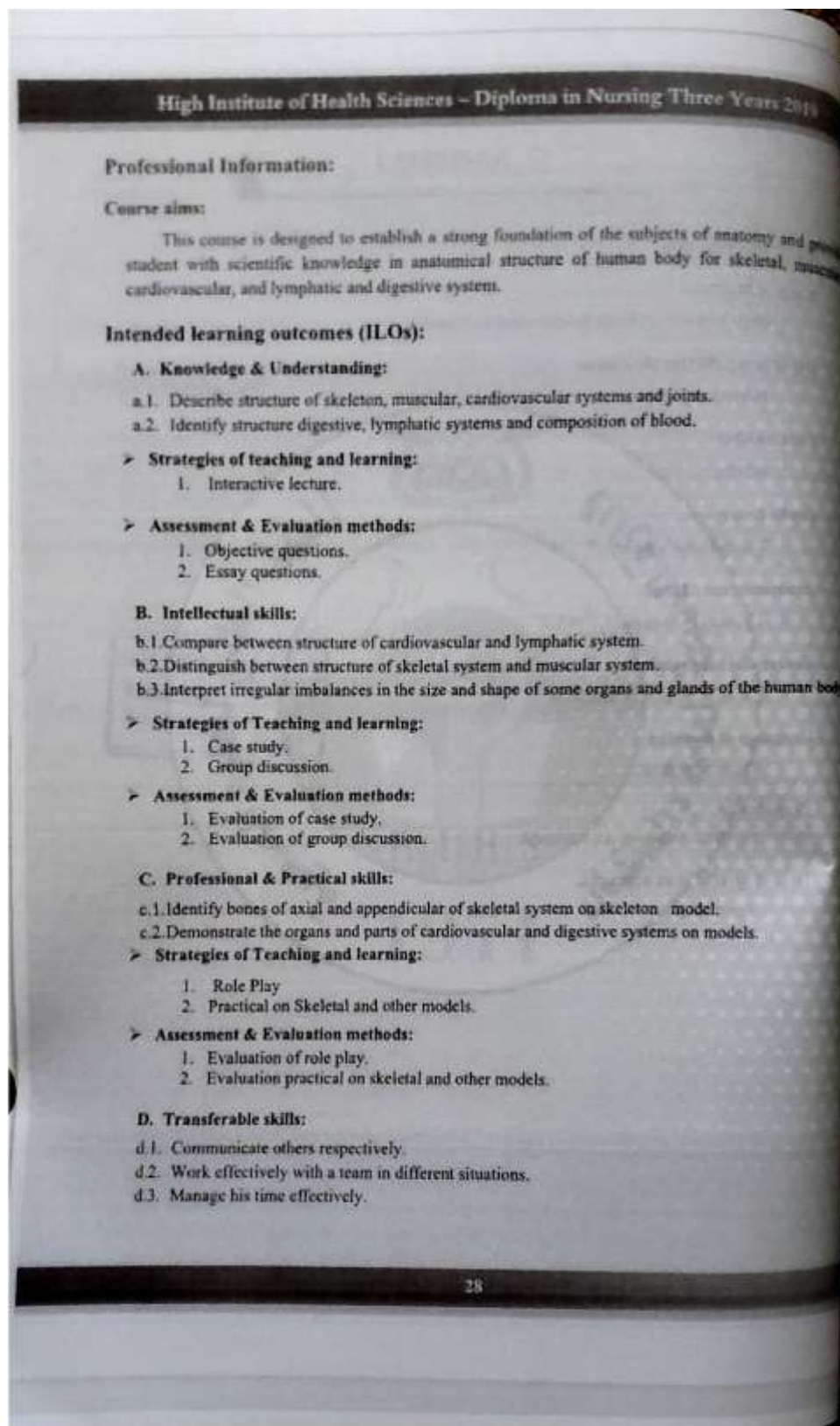
Course teaching staff:
Bachelor of general medicine.

Language of teaching:
English language.

Prepared by:
Dr. Salah Modhesh Ali Alsharabi.

Date of specification approval:
April 2019.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
➤ Strategies of Teaching and learning: 1. Case study. 2. Group discussion. 3. Role play. 4. Presentation. ➤ Assessment & Evaluation methods: 1. Observation. 2. Evaluation of presentation. 3. Evaluation of role play. Contents of the course 1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	- Course Overview: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation. - Definition of anatomy: • Cell (definition, structure, types). • Tissue (definition, structure, types).	2	Interactive Lecture
2	Skeletal system: • Definition and classification. • Axial Skeletal System (bones of skull).	2	Interactive Lecture Practical on model of Skeletal System
3	• Bones of Thorax and Ribs. • Bones of Vertebra and pelvic.	2	Interactive Lecture Practical on model of Skeletal System
4	• Appendicular skeletal system. • Upper and lower extremities.	2	Interactive Lecture Practical on model of Skeletal System
5	Joints: • Definition, Structure, classification and type of movement.	2	Interactive Lecture Acting role
6	Muscular system: • Definition, character and types of muscles.	2	Interactive Lecture
7	• Major anterior and posterior skeletal muscles of body.	2	Interactive Lecture
8	Midterm exam.	2	
9	Cardiovascular system: • Definition and structure. • Heart position structure, layers, chambers and valves.	2	Interactive Lecture Practical on model
10	Blood vessels of heart: • Structure, position and difference. • Important veins and arteries connect with heart.	2	Interactive Lecture Practical on model
11	Circulation of blood: • Systematic, pulmonary, portal and cardiac.	2	Interactive Lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
12	Blood: • Definition and composition. • Blood cells and plasma.	2	Interactive Lecture
13	Blood groups: • Rh-factor. • Blood clotting factors.	2	Interactive Lecture Group discussion
14	Lymphatic system. • Definition and structures. • Organs of lymphatic system.	2	Interactive Lecture
15	Digestive system: • Definition and structure. • Gastrointestinal tract. • Mouth cavity. • Pharynx. • Esophagus. • Stomach. • Small intestine. • Large intestine.	2	Interactive Lecture Practical on model
16	• Accessory intestinal tract. • Salivary glands. • Liver. • Gall bladder. • Pancreas.	2	Interactive Lecture Practical on model
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Learning resources:

References:

1. Ross and Wilson. (2014) "Anatomy & Physiology "in health and illness, 12th edition.
2. "Gray's Anatomy for students" forty. first edition 2017 .
3. Snell's Clinical Anatomy by Region, 9th edition 2018 .
4. Keith L. Moore, Arthur F. Anne M. R. Agure, Clinically Oriented Anatomy, 6th edition .

Websites:

- www.anatomy.wisc.edu/courses/gross
- www.anatomy.uiowa.edu
- www.unimcble.edu.au
- www.anatomyvinclav.com
- www.anatomyvitrains.com

Facilities Required:

1. Classroom lectures.
2. Laptop.
3. Data - show machine.
4. Models skeletal system, muscular and others.
5. White board.
6. Markers.
7. Library.
8. Charts and posters.

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المعهد
التخصصي

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Physiology I

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N113a.

Credit hours:
2 credit hour's theory.

Academic year / Level:
1st year -1st semester.

Course teaching staff:
Bachelor of general medicine.

Language of teaching:
English language.

Prepared by:
Dr. Muneera Abdullhameed.

Date of specification approval:
April 2019.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course aims to provide students with the basis of the different physiological mechanisms and regulatory processes occurring at the different levels of all the body systems. That must be understood by the students in order to pursue their healthcare career related to nursing (cell, musculoskeletal system, cardiovascular system and respiratory system).

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Describe the function of cell, skeletal system, joint, muscular system.
- a.2. Describe the different functions of the blood and its components.
- a.3. Identify the function of cardiovascular system, circulation and blood pressure.
- a.4. Describe the functions of each organ of the digestive system, the process of digestion, and absorption and the control of digestion.

➤ **Strategies of Teaching and Learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation Methods:**

2. Objective questions.
3. Essay questions.

B. Intellectual Skills:

- b.1. Differentiate between the functions of cell, skeletal system, joint, muscular system.
- b.2. Compare between gastric, pancreatic, bile secretions.
- b.3. Distinguish between cardiac circulations.

➤ **Strategies of Teaching and Learning:**

1. Case study

➤ **Assessment & Evaluation Methods:**

1. Case study questions.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Work effectively with team.
- d.2. Motivate individual or groups to improve awareness, learning & behavior.
- d.3. Communicate with others respectively.
- d.4. Manage his time effectively.

➤ **Strategies of Teaching and Learning:**

1. Case study.
2. Group discussion.
3. Presentation.

➤ **Assessment & Evaluation Methods:**

1. Observation.
2. Evaluation of presentation.
3. Evaluation of role play.

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صنعاء

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High Institute of Health Sciences - Diploma in Nursing Three Years 2019			
Contents of the course:			
1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategy
1	Course overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. - Cell (cell wall and cell organelles).	2	Interactive lecture
2	Skeletal system: - Function of bone. - Development of bone. - Hormone regulation of bone growth. - Exercise and bone. - Diet and bone.	2	Interactive lecture
3	- Function of axial. - Appendicular skeleton.	2	Interactive lecture
4	Joints: - Definition. - Function. - Type of joint. - Movements possible at synovial joints.	2	Interactive lecture
5	Muscular system: - Definition. - Function of three types of muscle tissue.	2	Interactive lecture
6	- Muscle cells action: - The neuromuscular junction functions. - Contraction. - The role of calcium. - Muscles and energy. - Effects of exercise. - Types of muscles contractions.	2	Interactive lecture
7	Blood: - Definition. - Plasma protein functions for deferent type. - Erythrocyte life span. - Function of erythrocyte. - Rhesus system. - Blood groups. - Functions of granule white blood cell.	2	Interactive lecture
8	Mid exam.	2	
9	- Lymphatic system. - Lymph definition. - Function of: - Lymph nodes. - Spleen. - Thymus gland.	2	Interactive lecture

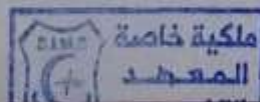
High Institute of Health Sciences – Diploma in Nursing Three Years 2019

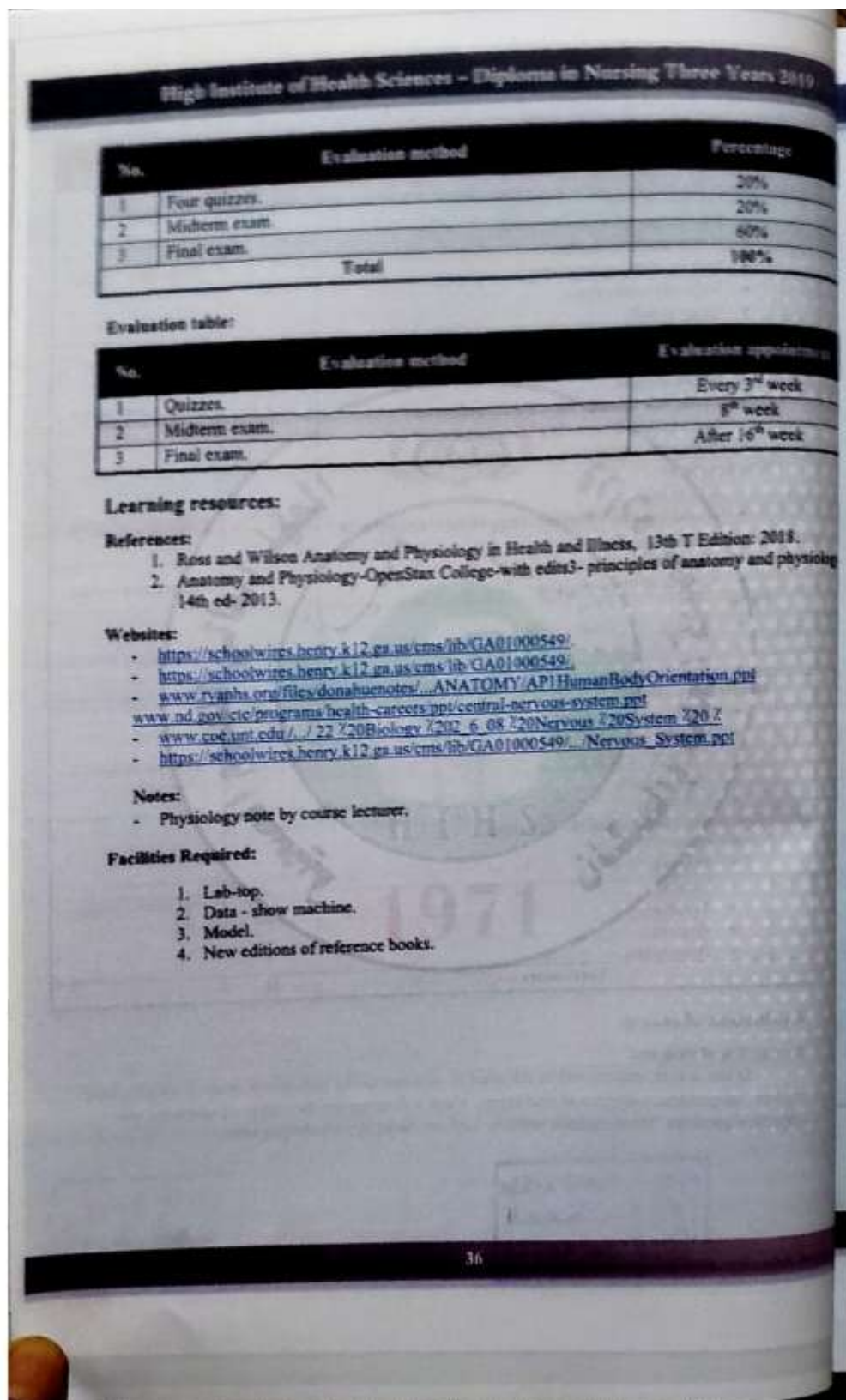
No.	Subject	Contact hours	Learning & teaching strategies
	- The lymphatic system.		
10	Cardiovascular system: • Conducting system of the heart. • Nerve supply to the heart. • Factors affecting heart rate. • Stage of cardiac cycle. • Heart sounds.	2	Interactive lecture
11	• Electrical change in the heart. • Cardiac output. • Stroke volume. • Factor that increase myocardial contraction. • Main factors determining heart rate. • Pulmonary circulation.	2	Interactive lecture
12	Blood pressure: • Definition. • Blood pressure varies according to the elasticity of the artery wall.	2	Interactive lecture
13	• Blood pressure determinants. • Control of blood pressure: - short and long.	2	Interactive lecture
14	Pulse: • Systemic or general circulation. • Portal circulation. • Fetal circulation.	2	Interactive lecture
15	Respiratory system: • Definition of breathing. • Muscles of breathing. • Cycle of breathing. • Lung volume. • Capacities.	2	Interactive lecture
16	Respiratory function of the following: • Nose. • Pharynx. • Larynx. • Trachea. • Bronchi. • Bronchioles.	2	Interactive lecture
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:





High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Biochemistry

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N114.

Credit hours:
2 credit hours.

Academic year / Level
1st year - 1st semester.

Course teaching staff:
Bachelor of medical laboratory.

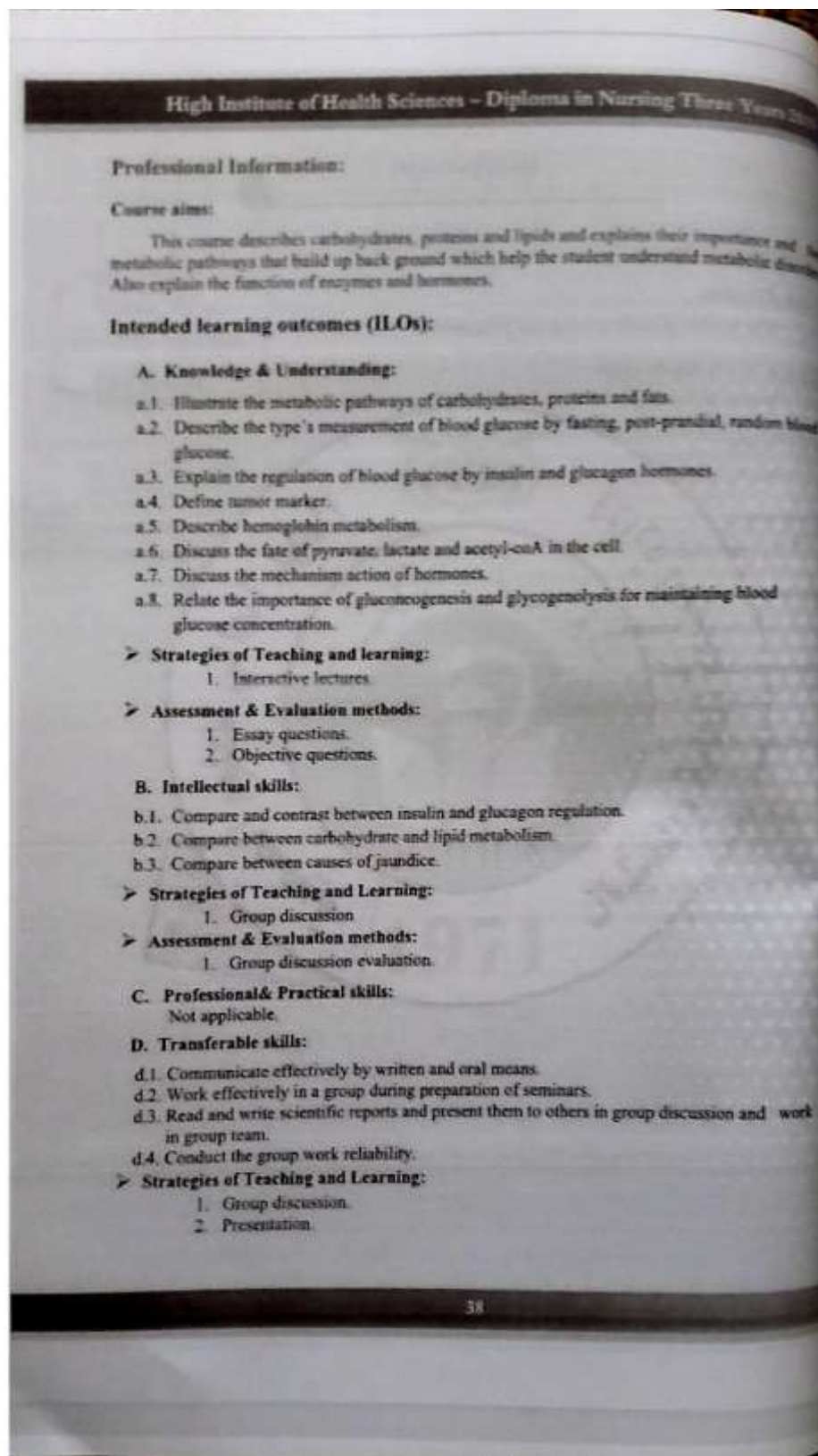
Language of teaching:
English language.

Prepared by:
Dr. Amat Alrahem A. Almashreqi.

Date of specification approval:
April 2019.

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المعهد
التخصصي

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
➤ Assessment & Evaluation Methods: 1. Evaluation of group discussion. 2. Presentation evaluation. Contents of the course: 1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation. Carbohydrate metabolism: • Definition of metabolism, carbohydrate digestion and absorption, fate of absorbed glucose, glycolysis.	2	Interactive lecture
2	• Gluconeogenesis, Krebs cycle.	2	Interactive lecture
3	• Pentose phosphate pathway (PPP). • Glycogen Metabolism. • Hormonal regulation of plasma glucose.	2	Interactive lecture
4	Diabetes mellitus: • Insulin dependent diabetes mellitus. • Non-insulin dependent diabetes mellitus. • Gestational diabetes mellitus.	2	Interactive lecture
5	• Tests used to diagnose and manage diabetes mellitus.	2	Interactive lecture
6	Proteins metabolism: • Protein digestion and absorption. • Catabolism of amino acids.	2	Interactive lecture
7	Urea formation, urea cycle Hormonal regulation of plasma protein.	2	Interactive lecture
8	Midterm exam.	2	
9	Lipid metabolism: • Digestion and fate of absorbed. • Lipids, fatty acid oxidation.	2	Interactive lecture
10	Ketone bodies, ketogenesis, lipoproteins, and ma lipid.	Plas 2	Interactive lecture
11	Essential fatty acid and eicosanoids. Lipoproteins disorders, fatty liver.	2	Interactive lecture
12	Enzymes: (clinical significant, interpretation and indication) • Liver enzymes. • Acute myocardial infarction. • Prostatic enzyme. • Pancreatic enzyme.	2	Interactive lecture
13	Hormones: (Function, interpretation and indication). • Thyroid hormones. • Pituitary hormones.	2	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
	- Gonads hormones. - Adrenal hormones.		
14	Tumor markers: definition, types, classification, clinical importance.	2	Interactive lectures
15	Minerals: sodium, potassium, calcium (function and disorder). Acid- Base balance: acidosis and alkalosis (definition, types, causes).	2	Interactive lectures
16	Hemoglobin metabolism, Bilirubin formation and jaundice.	2	Interactive lectures
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointments
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

- Text book of biochemistry for medical students by D M Vasudevan , Jul 31,2016.
- Text book by Jermy M.Berg.Lubert stryer,John L. April 8, 2015.
- Principles of biochemistry, David Nelson, Michael M., January,2017.

Web sites:

- <https://www.biochemistry.org/>
- <http://www.biochemi.org/bj/default.htm>
- <http://journal.chemistrycentral.com/>

Facilities Required:

- White board.
- Markers.
- Data show.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Sociology

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N2115.

Credit hours:
1 credit hour.

Academic year / Level:
1st year - 1st semester.

Course teaching staff:
Bachelor of nursing / sociology.

Language of teaching:
English and Arabic language.

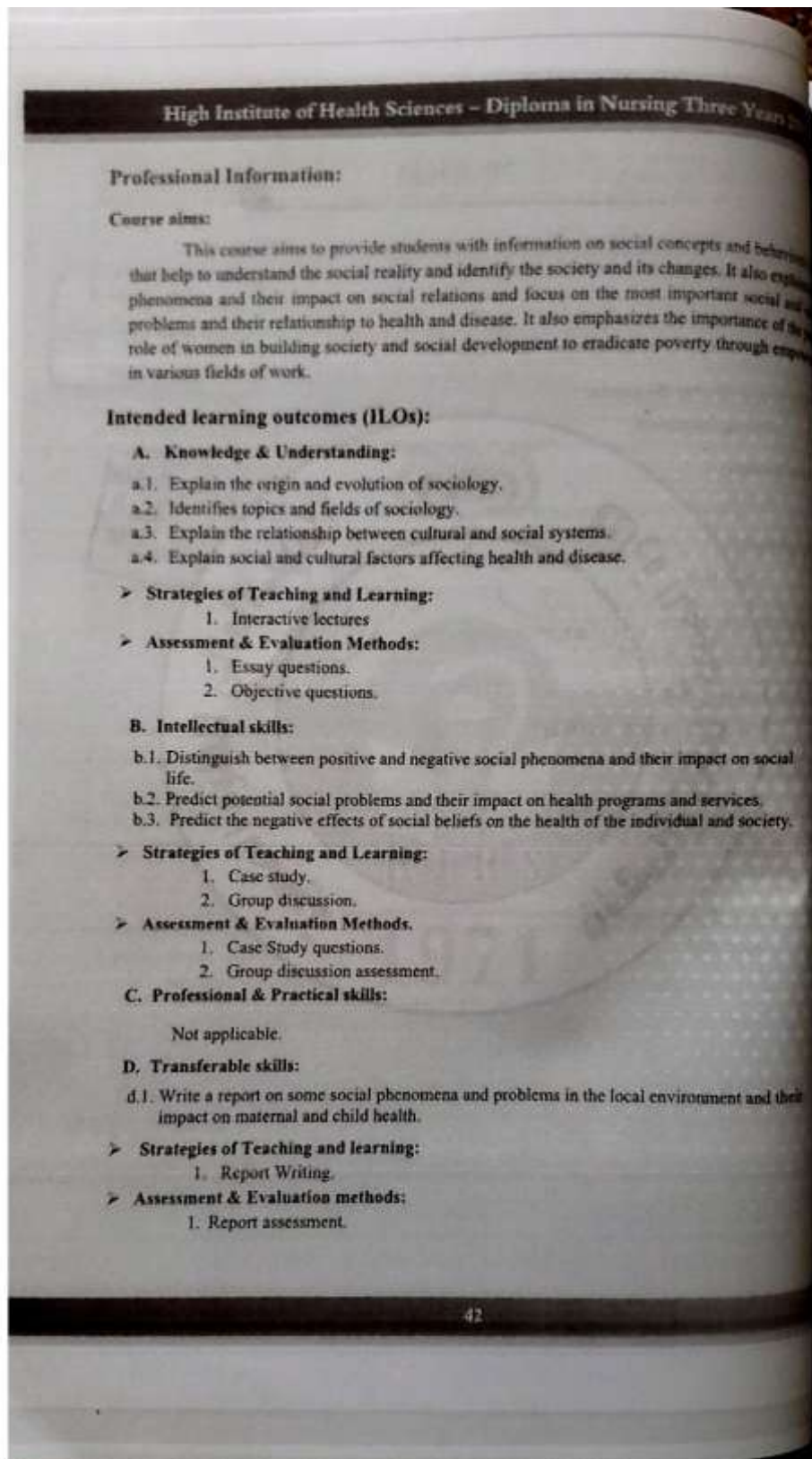
Prepared by:
Dr. Gameela Awadh.

Date of specification approval:
April 2019.

منهج خاص
بالمعهد العالي للعلوم الصحية
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High Institute of Health Sciences - Diploma in Nursing Three Years 2019			
Contents of the course:			
1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Orientation on course: - Intended learning outcomes (ILOs). - Course: hours. - Course outlines. - Course evaluation. Introduction to Sociology: - Sociology definitions. - Characteristics of sociology. - Objectives of Sociology. - Benefits of sociology.		Interactive lecture & discussion
2	The Origin and Evolution of Sociology (Historical Evolution of Sociology): First: Contributions of social thought in the east: - In ancient Egyptian civilization (Pharaonic). Second: Contributions of social thought in the west: - In Greek civilization. Third: The role of the founding scientists of sociology: - Ibn Khaldun.	1	Interactive lecture & discussion
3	- Auguste Cont. - Emil Durkheim.	1	Interactive lecture & discussion
4	Topics of Sociology - The fields of sociology. - Social phenomenon: - Definition of social phenomenon. - Characteristics of social phenomenon.	1	Interactive lecture & discussion
5	The society: - Definition of the community. - The constituents of society. Evolution of society: - Family. - The clan. - Tribe. - The village. - City. - The state. - World community.	1	Developed lecture & discussion
6	Cultural Heritage: - Definition of culture. - The importance of culture.	1	Interactive lecture & discussion

High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
No.	Subject	Contact hours	Learning & teaching strategy
7	- Culture characteristics. Elements of Culture: - Religion. - The language. - Habits. - Traditions. - Customs. - Value.	1	Interactive lecture, discussion
8	Midterm exam.	1	
9	Social systems: - The definition. - Characteristics. - Functions. Family system: - Definition of the family system. - Family definition. - Family types. - Family importance. - Family functions.	1	Interactive lecture, discussion
10	Socialization: - Definition of socialization. - Characteristics of socialization. - Socialization objectives. - Socialization functions. - Institutions that contribute to the process of socialization. - Correct and incorrect socialization methods.	1	Interactive lecture, discussion
11	Social problems: - Define the problem. - Types of problems. - The causes of social problems. First: Population problem: - Defining the population problem. - The causes of the population problem. - The objective of addressing the population problem. - General means to address the population problem. - Special means to address the population problem.	1	Interactive lecture, discussion
12	Second: The problem of unemployment: - Definition of unemployment. - Causes of unemployment. - The effects of unemployment.	1	Interactive lecture, discussion

High Institute of Health Sciences - Diploma in Nursing Three Years 2019			
No.	Subject	Contact hours	Learning & teaching strategies
	Means of addressing the problem of unemployment.		
	Third: The problem of poverty: - Definition of poverty. - The Reasons of Poverty. - The effects of poverty. - Ways to address the problem of poverty.		
13	Fourth: The problem of crime (social deviation): - Definition of crime. - Causes of crime. - Effects of crime. - Means of dealing with the problem of crime.	1	Interactive lecture & Role play
14	Gender and women's empowerment: - Introduction. - Definition of concepts. - Differences between men and women. - Women's empowerment objectives. - The status of women in different societies: - In ancient societies. - In the pre-Islamic era. - In Islam. - In modern Western societies.	1	Interactive lecture & role play
15	Roles of woman: - Reproductive. - Productive. - Community. Women Empowerment Areas: - Legal. - Social. - Economic. - Political.	1	Interactive lecture & discussion
16	The reasons for the weak empowerment of Arab and Yemeni women in particular (obstacles): - Religious. - Social and cultural. - Economic. - Political. Gender discrimination: - The reasons. - Forms of discrimination. - Effects of discrimination. - Methods of achieving women empowerment in various fields	1	Interactive lecture & discussion
Total hours		16	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves essay exams and objective exam. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	10%
2	Assignments.	10%
3	Midterm exam.	20%
4	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Assignments (Groups).	Every 4 th week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

أساسيات علم الاجتماع، د. عبد الرحيم أبو طهريشة الناشر ٢٠٠١م، مركز المحروسة للبحوث والتمريض والنشر.
أسس علم الاجتماع، د. عادل مختار الهواري ١٩٩٣م، دار المعرفة الجامعية ١٠ سونتر الإسكندرية.
تكوين المرأة القس، التطريبات والتطبيقات تحرير مي عز الدين عثمان.
(دكتوراه علم نفس)، بروفيسور يلقين بوري الناشر جامعة الأحفاد للدراسات أم درمان ٢٠١٣م.

Notes:

- Students will be provided with handouts from course' teacher.

Facilities Required:

1. Lab top.
2. Data show.
3. Classroom.

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Nursing Ethics

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N116.

Credit hours:
1 credit hour.

Academic year / Level:
1st year - 1st semester.

Course teaching staff:
Bachelor of nursing.

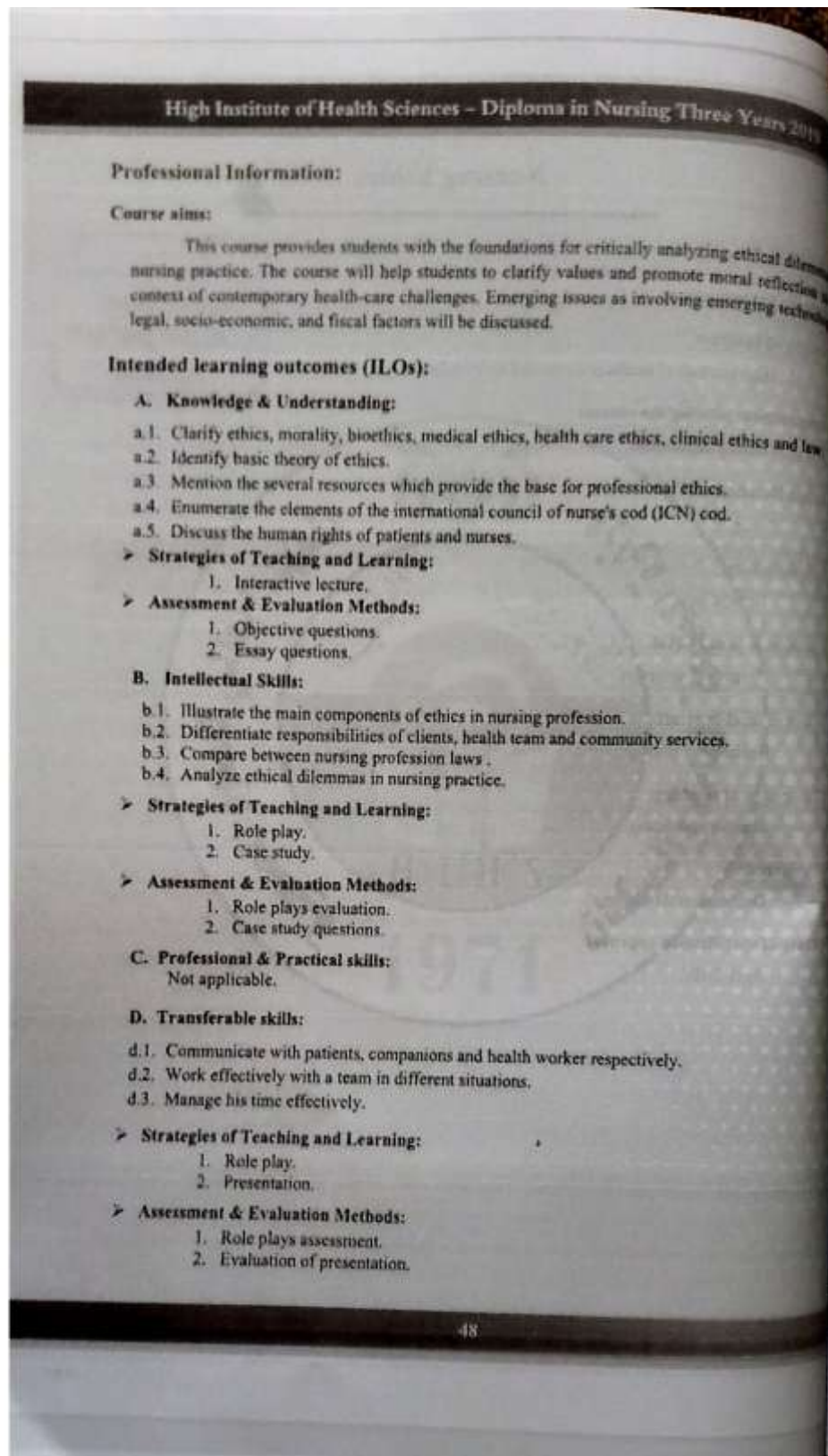
Language of teaching:
English and Arabic.

Prepared by:
Dr. Saddam Al-zuaree.

Date of specification approval:
April 2019.

مفهرج خاص
المعهد العالي للعلوم الصحية
صيدلاني

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High Institute of Health Sciences - Diploma in Nursing Three Years 2019			
Contents of the course:			
1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Introduction: - Definitions of nursing profession.	1	Interactive lecture
2	History of nursing profession: - Beginning of nursing. - Important of nursing.	1	Interactive lecture
3	Characteristics of nursing profession: - Types. - Important in working.	1	Interactive lecture
4	Ethics of nursing profession: - Privacy in working. - Team working.	1	Interactive lecture and role acting
5	Professional duties and responsibilities of nurses: - Duties for profession. - Duties for himself. - Duties for team. - Duties for physician.	1	Interactive lecture
6	Professional duties and responsibilities of nurses: - Duties for society. - Duties for patient. - Duties for patient family. - Duties for institution.	1	Interactive lecture
7	Laws of practicing nursing profession: - The academic specifications of nurse in the profession. - Illegal practices. - Errors of professional. - Negligence.	1	Interactive lecture
8	Midterm exam.	1	
9	Ethics and Important (Why we study ethics): - Definition of ethics. - Important of ethics. - Resource of ethics.	1	Interactive lecture
10	Ethics principles: Method acquired ethics.	1	Interactive lecture and role acting
11	Code of ethics for nurses: Definition.	1	Interactive lecture

High Institute of Health Sciences - Diploma in Nursing Three Years 2019			
No.	Subject	Contact hours	Learning & teaching strategies
	- Types. - Medical swear.		
12	Job descriptions: - Carry out physician orders. - Nursing in all departments in hospital. - In the health facility.	1	Interactive lecture
13	Religious belief of patient. - Selected values: societal and personal - Belief and Attitude and habits.	1	Interactive lecture
14	Patient and family rights. Human relation in nursing.	1	Interactive lecture
15	Confidentiality of information related to pt. Patient agreement concerning therapy and operation.	1	Interactive lecture and role acting
16	Importance of recording and reporting: - Definition. - Types. - Important. - Disadvantage. Death Certificate: - Definition. - Causes writing death certificate. - Conditions for obtaining a death certificate.	1	Interactive lecture
Total hours		16	

Evaluation of course:

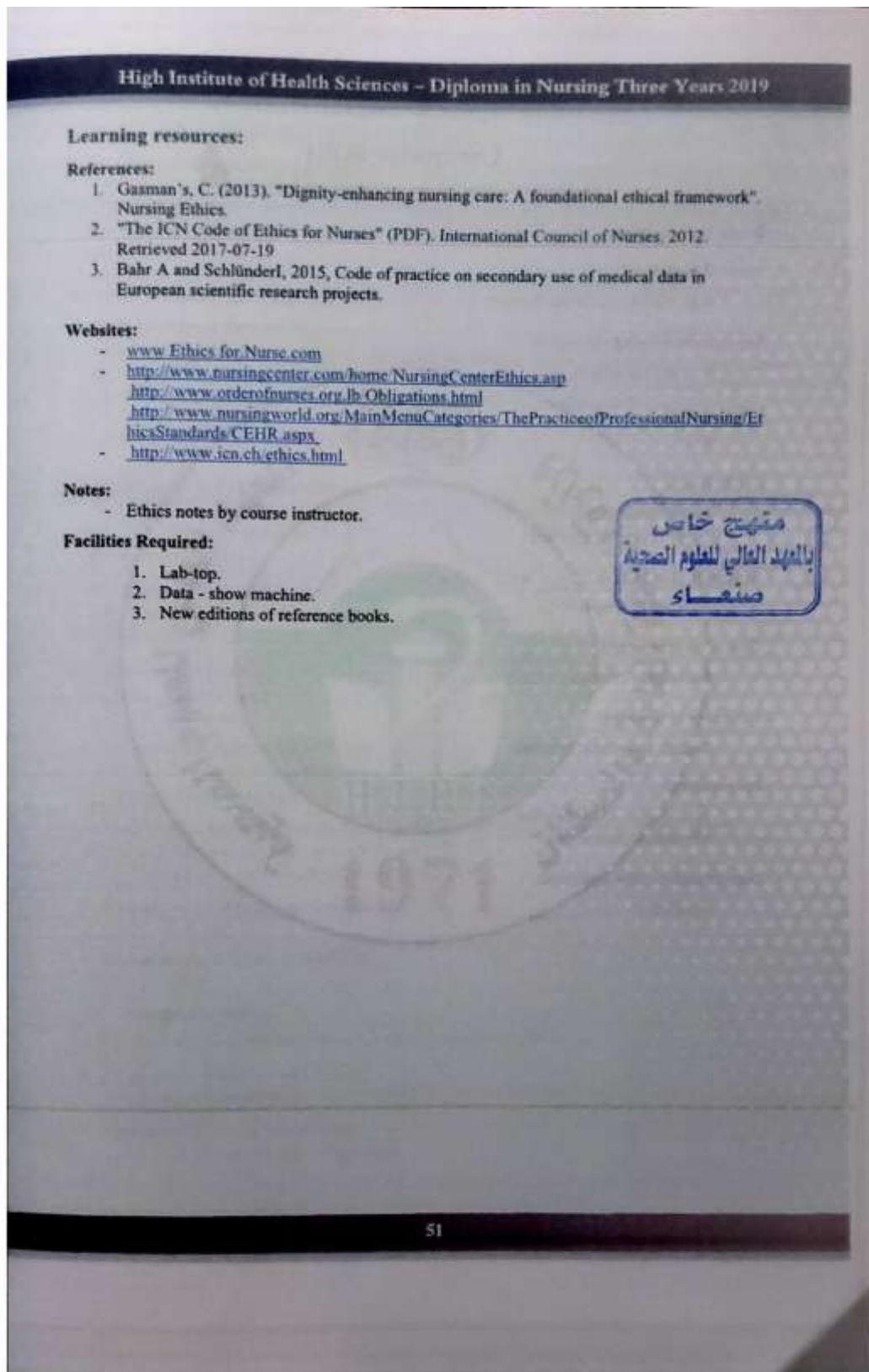
Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions, and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Computer skills

Basic Information:

Name of Institute:
High Institute of Health Sciences.

Department offering the course:
Nursing department.

Code Number:
NI17.

Credit hours:
1 credit hour theory,
1 credit hour lab. practical

Academic year / Level:
1st year - 1st semester.

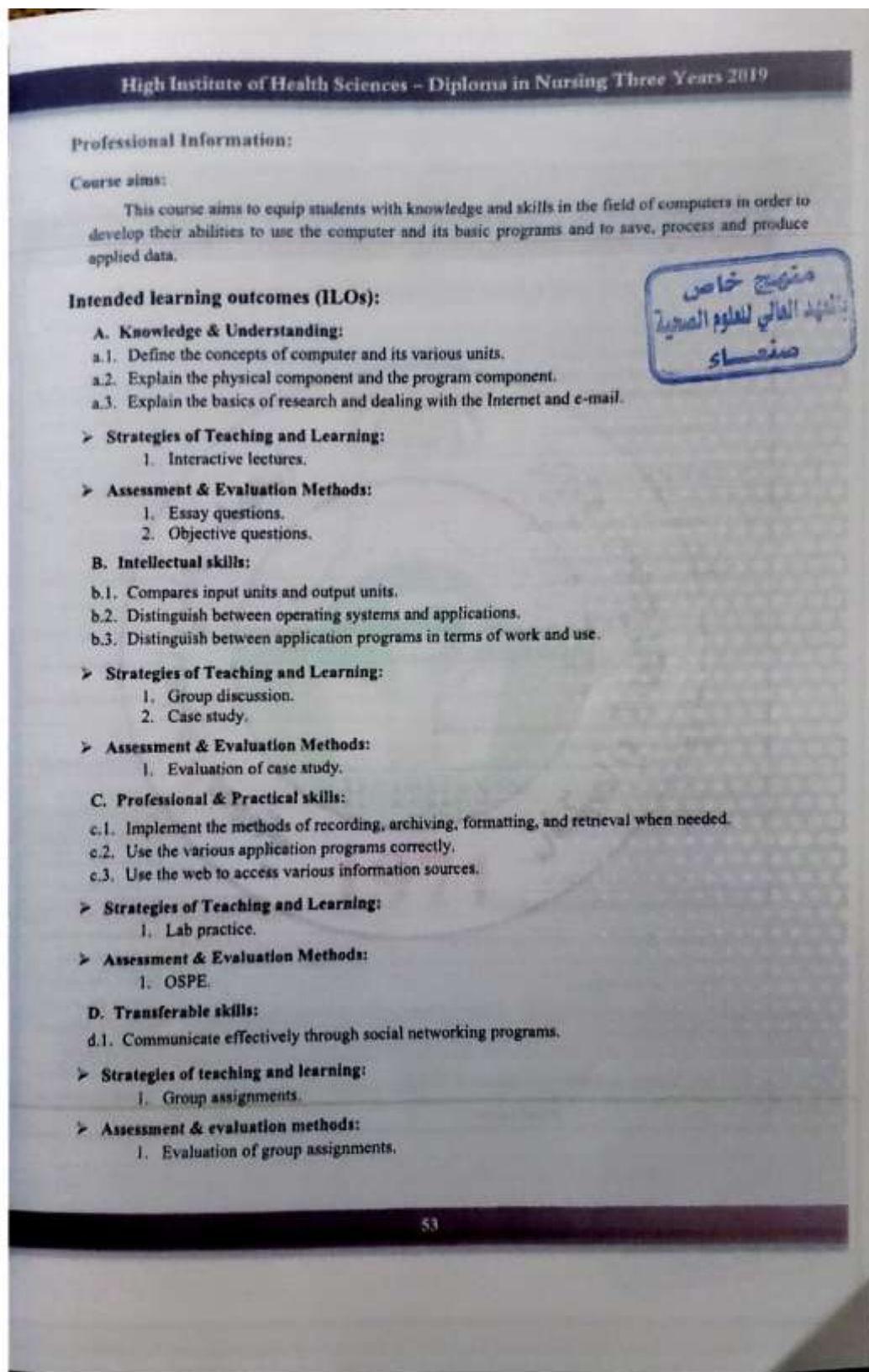
Course teaching staff:
Bachelor of computer technician.

Language of teaching:
English and Arabic language.

Prepared by:
Mr. Ammar Ali Almekhlafi
Mr. Mahdi Qassim.

Date of specification approval:
April 2019.

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معهد الجامعة
لعلوم الصحة



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Definition of the computer and its stages of development.	1	Interactive lecture
2	Types of computers.	1	Interactive lecture
3	Areas of computer use 1.	1	Interactive lecture Group discussion
4	Areas of computer use 2.	1	Interactive lecture Presentation
5	Computer Characteristics.	1	Interactive lecture Group discussion
6	Computer's components: Physical components: - Input unit. - Output unit.	1	Interactive lecture Presentation
7	- Disks. - Processing unit. - Memory.	1	Interactive lecture
8	Midterm exam.	1	
9	Computer memory measurement units Software component: - Operating systems. - Application programs.	1	Interactive lecture
10	- Types of programming language. - Special programs.	1	Interactive lecture Group discussion
11	- Customized software. - Antivirus software.	1	Interactive lecture Presentation
12	Portable digital devices by hand.	1	Interactive lecture
13	Factors affecting computer performance.	1	Interactive lecture Presentation
14	Optimization options.	1	Interactive lecture Group discussion
15	Networks.	1	Interactive lecture Presentation
16	The concept of internet and the use of e-mail.	1	Interactive lecture Group discussion
Total hours		16	

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

2- Lab Subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Orientation on computer lab. Roles of lab training. Desktop components - Desktop display options.	2	Comp. Lab practice
2	The most important control panel icons.	2	Comp. Lab practice
3	Dealing with folders.	2	Comp. Lab practice
4	WordPad - Paint.	2	Comp. Lab practice
5	Use the word program and dealing with documents.	2	Comp. Lab practice
6	Home tab.	2	Comp. Lab practice
7	Perform a design in word.	2	Comp. Lab practice
8	Midterm exam.	2	
9	Page Layout tab in word.	2	Comp. Lab practice
10	Tab insert in word and practical application on word program.	2	Comp. Lab practice
11	Working with the electronic tables (Excel).	2	Comp. Lab practice
12	Create, open and save a new workbook.	2	Comp. Lab practice
13	Cells in excel.	2	Comp. Lab practice
14	Management of worksheets.	2	Comp. Lab practice
15	Slides in power point presentations.	2	Comp. Lab practice
16	Using the Internet and social networking.	2	Comp. Lab practice
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves essay exam, objective exam and OSPE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Assignment (group presentations).	Every 3 rd week
2	Quizzes.	Every 3 rd week
3	Midterm theoretical exam.	8 th week
4	Midterm lab. Exam.	8 th week
5	Final lab. Exam.	After 16 th week
6	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. منهج الرخصة الدولية لقيادة الحاسوب الاتي الاصدار السادس (iced) ٢٠١٨ م.
2. أساسيات الحوسبة ترجمه واعاد دار الرضاء للنشر.
3. المرجع الأساسي لمستخدمي Microsoft excel 2010.

Websites:

- www.khayma.com
- <http://office.microsoft.com/ar-sa/>
- <http://www.mostafa-gawdat.net/vb3/forumdisplay.php?f=7>
- <http://www.e1500.com/vb/showthread.php?t=703>

Notes:

Students will be provided with handouts from course' teacher.

Facilities Required:

1. Lab top.
2. Data show.
3. Computer lab.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

English language I

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N118a.

Credit hours:
2 credit hours.

Academic year / Level:
1st year - 1st semester.

Course teaching staff:
Bachelor of English language.

Language of teaching:
English language.

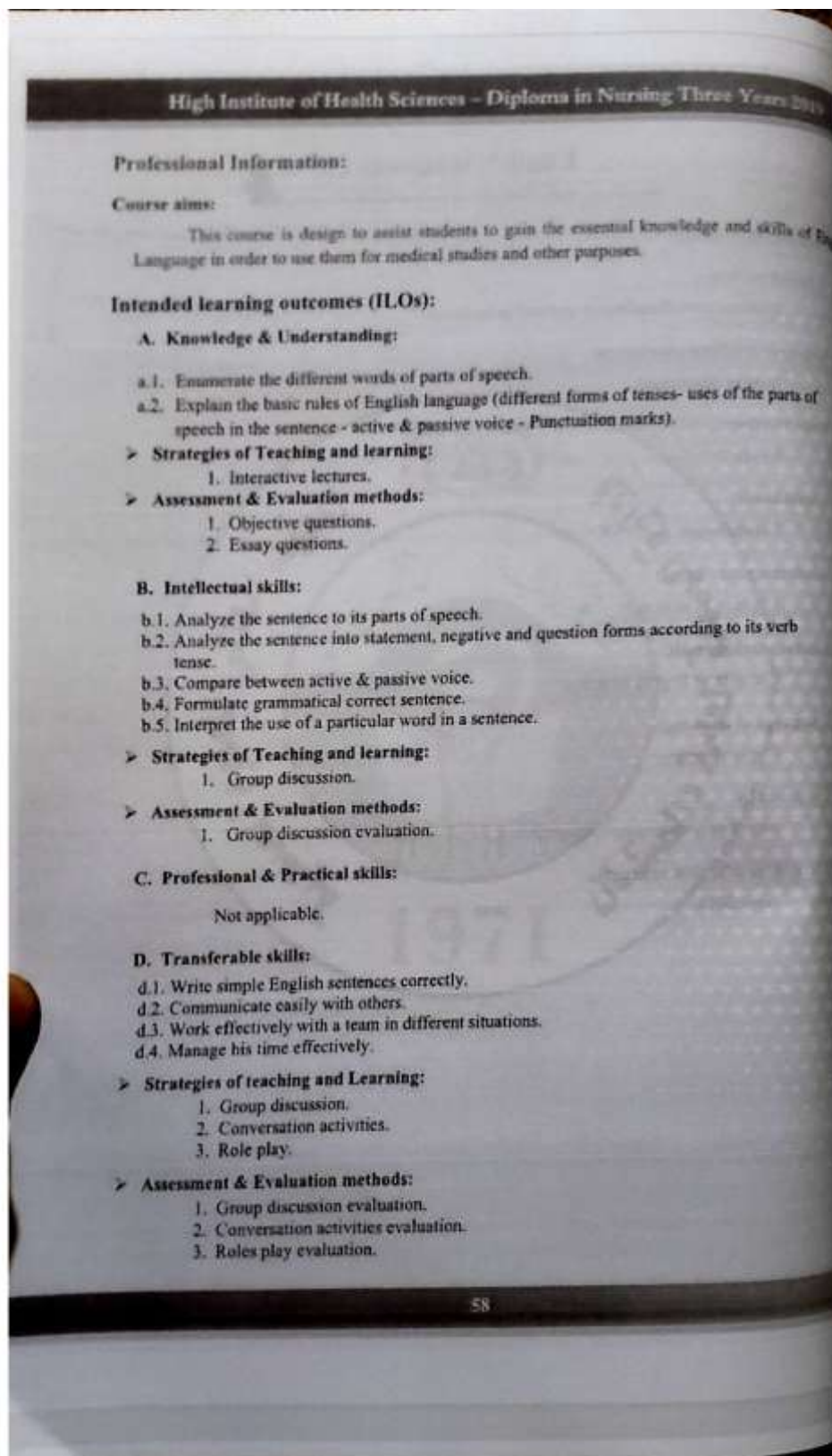
Prepared by:
Mrs. Raqia Mohammed Alharthi.

Date of specification approval:
April 2019.

منتج خاص
بالمعهد العالي للعلوم الصحية
صنعاء

1971

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المعهد الجامعي
لِلصِّيدلة



High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
Course contents:			
1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. An introduction to English Language: - The sentence, its analysis & structure. - General subject & predicate.	2	Interactive Lecture
2	Essentials in grammar Skills: (parts of speech): 1. Nouns: - Definition with examples. - Kinds of nouns with examples. - Numbers of nouns. - Ways of forming regular plurals. - Irregular Plural Form of some common used terms. Exercises: - Picking out the nouns from the given sentences, & classifying them. - Writing the plural form of the most common used singular nouns.	2	Interactive Lecture
3	2. Articles: - Definition with examples. - Kinds of articles with examples. - Uses of the articles. - Omission of the article, (the). Exercises: - Picking out the correct articles or filling in blanks.	2	Interactive Lecture
4	3. Pronouns: - Definition with examples. - Kinds of pronouns. - Some correct usage of pronouns. Exercises: - Circling or choosing the correct pronoun from the given sentences.	2	Interactive Lecture
5	4. Verbs: - Definition with examples. - Kinds of verbs (the most common used kinds). - The use of primary auxiliary verbs. - Regular /irregular verbs. Exercises: - Selecting the correct verb in brackets. - Correcting the mistakes of the given verbs.	2	Interactive Lecture
6	5. Adjectives:	2	Interactive Lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
No.	Subject	Contact hours	Learning & teaching strategy
	- Definition with examples. - Degrees of comparison. - Some correct usage of adjectives (spelling notes). Exercises: - Writing the correct degree of comparison for some given adjectives. - Selecting the correct adjectives.		
7	6. Adverb: - Definition with examples. - Kind of adverbs. Exercises: - Picking out and classifying adverbs in some given sentences.	2	Interactive Lecture
8	Midterm exam.	2	
9	7. Preposition: - Definition with examples. Interactive lecture. - Prepositions of time and their uses. - Prepositions of place and their uses. Exercises: - Selecting the correct preposition and filling in the blanks.	2	Interactive Lecture
10	8. Conjunctions: - Definition with examples. - Kinds of Conjunctions. - Some correct usage. Exercises: - Choosing the suitable. - Conjunctions from the brackets and to combine sentence by using a suitable conjunction.	2	Interactive Lecture
11	Tenses: 1. Present / Past Simple tenses: - Forms of the tenses. - The common expressions of the tenses. - Spelling notes. - The uses of the tenses. Exercises: - Choosing the correct verb in the brackets. - Writing simple sentences using the verbs tense.	2	Interactive Lecture
12	2. Present/Past Continuous Tenses: - Forms of the tenses. - The common expressions of the tenses. - Spelling notes. - The uses of the tenses. Exercises: - Choosing the correct verb in the brackets. - Writing simple sentences using the tenses.	2	Interactive Lecture

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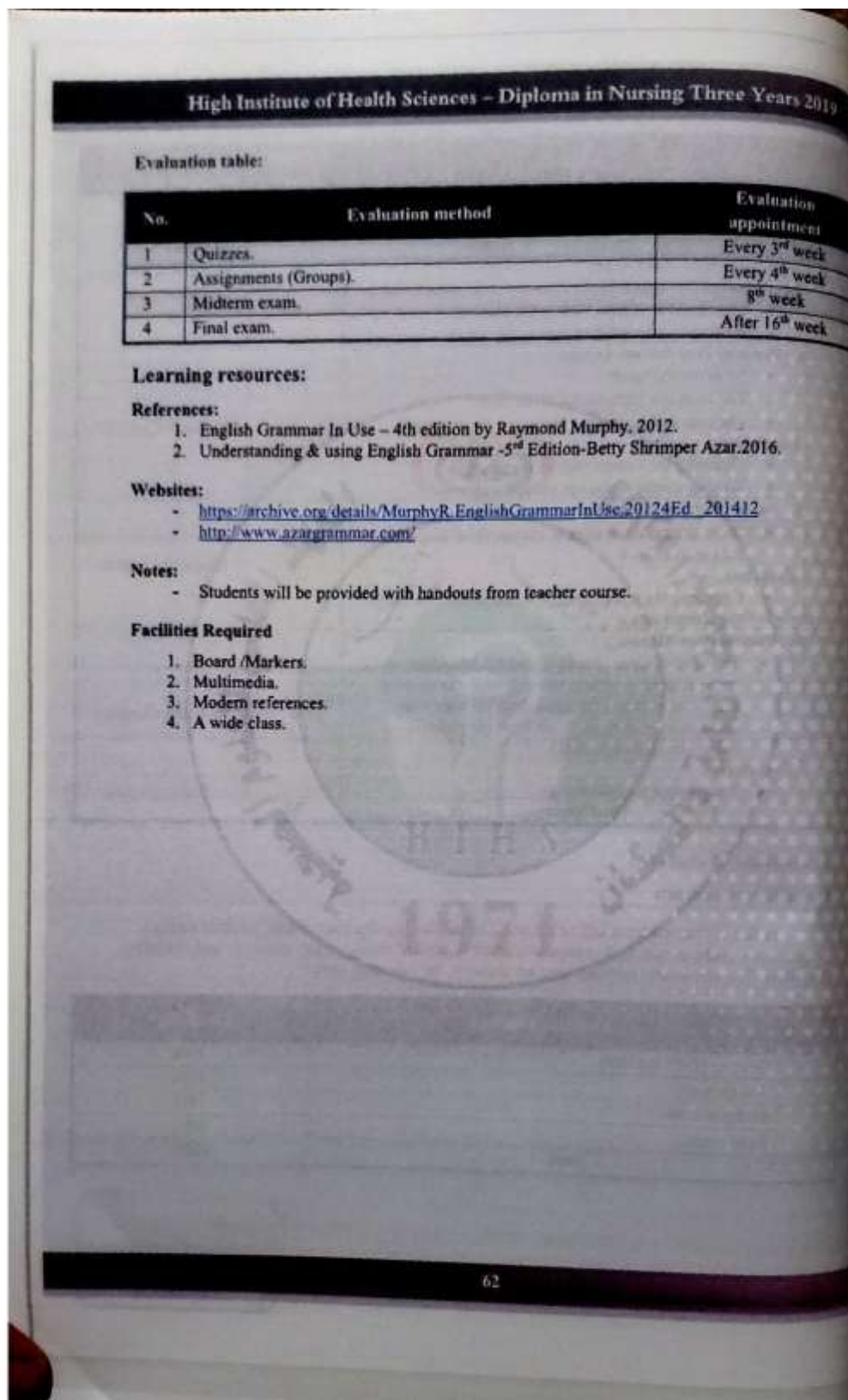
No.	Subject	Contact hours	Learning & teaching strategies
13	3. Future Simple/ Continuous tenses: - Forms of the tenses. - The common expressions of the tenses. - The uses of the tenses. Exercises: - Choosing the correct verb in the brackets. - Writing simple sentences using the tenses.	2	Interactive Lecture
14	4. Present/ Past Perfect Tenses: - Forms of the tenses. - The common expressions of the tenses. - The uses of the tenses. Exercises: - Choosing the correct verb in the brackets. - Writing simple sentences using the tenses.	2	Interactive Lecture
15	5. Active and passive voice: - Some grammatical rules to change the active voice to the passive voice. Exercises: - Changing the active sentences into passive by using the correct rule.	2	Interactive Lecture
16	6. Punctuation Marks: - The uses of some commonly used punctuation marks in the English sentence. (the full stop –the question mark- the comma- the semicolon- the colon- the apostrophe –the hyphen- the dash-the exclamation mark- the quotation marks...). Exercises: - Punctuate a medical passage.	2	Interactive Lecture
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes (Four quizzes).	10%
2	Assignments.	10%
3	Midterm exam.	20%
4	Final exam.	60%
Total		100%



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Arabic Language
لغة عربية

البيانات الأساسية:

اسم المؤسسة التعليمية التي تقدم البرنامج:

المعهد العالي للعلوم الصحية (صنعاء) وقروعه.

القسم الذي يقدم البرنامج:

قسم التمريض.

كود المقرر:

N119.

المساعات المعتمدة:

ساعة نظري.

السنة الدراسية التي يعطى فيها المقرر:

السنة الأولى - الترم الأول.

أعضاء هيئة التدريس المسئولون عن تدريس المقرر:

بكالوريوس لغة عربية.

معد المقرر:

د/ عبد الحق عبدالرحيم التيزلي.

اللغة المستخدمة في تدريس المقرر:

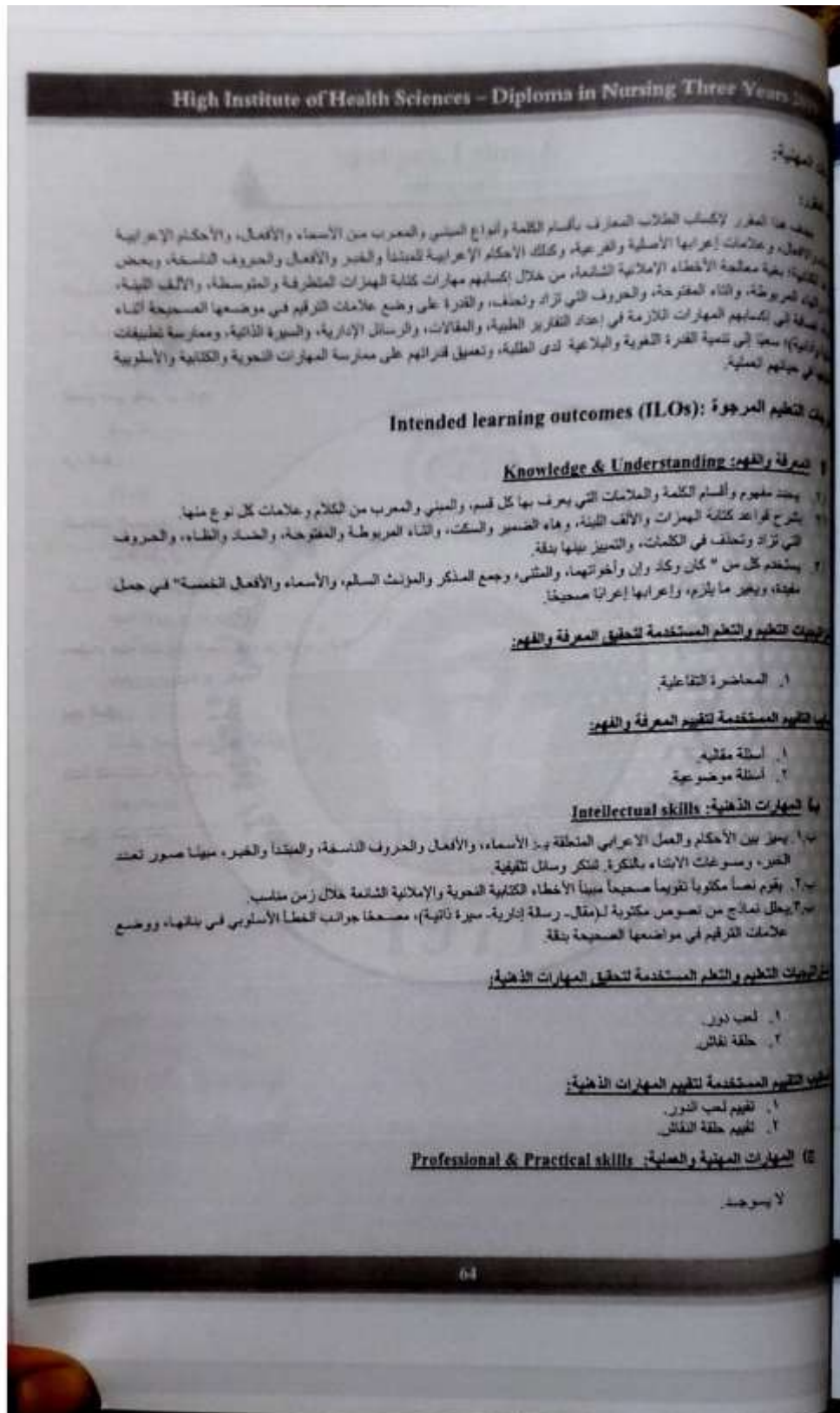
اللغة العربية.

تاريخ اعتماد المقرر:

ابريل، ٢٠١٩.

منتهي خاص
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High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
م	الموضوع	الساعات الأسبوعية	استراتيجية التعلم والتعلم
١٥	- مكونات المقال (مقدمة - عرض - خاتمة). - شروط ومعايير كتابة المقال الجيد. - تأليف المهارات الكتابية: - كتابة الرسالة الإدارية: - أغراض الرسائل وأنواعها. - الرسالة الإدارية: خصائصها - الأجزاء المكونة لها.	١	تأليف جماعية محاضرة تفاعلية حلقة نقاش
١٦	- تأليف المهارات الكتابية: - كتابة السيرة الذاتية: - مفهومها. أهم محاورها. - شروط ومعايير كتابة السيرة الذاتية بشكل جيد وواضح.	١	محاضرة تفاعلية تأليف جماعية عرض تقديمي
	إجمالي الساعات	١٦	

نموذج التقييم:

م	طرق التقييم النظري	موعد التقييم	درجة التقييم
١	تأليف واختبارات قصيرة	خلال الترم	٢٠
٢	إختبار نظري نصفي	الأسبوع الثامن	٢٠
٣	إختبار نظري نهائي	الأسبوعين (السابع عشر، والثامن عشر)	٦٠
	المجموع		١٠٠

مصادر التعلم:

المراجع:

- صالح علي النبهاري (٢٠١٢): اللغة العربية (١٠١) و(١٠٢)، مركز ابن حزم، أمم الجامعة القديمة، صنعاء.
- محمود حسني مقلدة (١٩٩٧): النحو الشافي، ط٣، مؤسسة الرسالة، بيروت، لبنان.
- محمد المحجوري (٢٠٠٩): اللغة العربية، (١٠١) و(١٠٢) و(١٠٣).

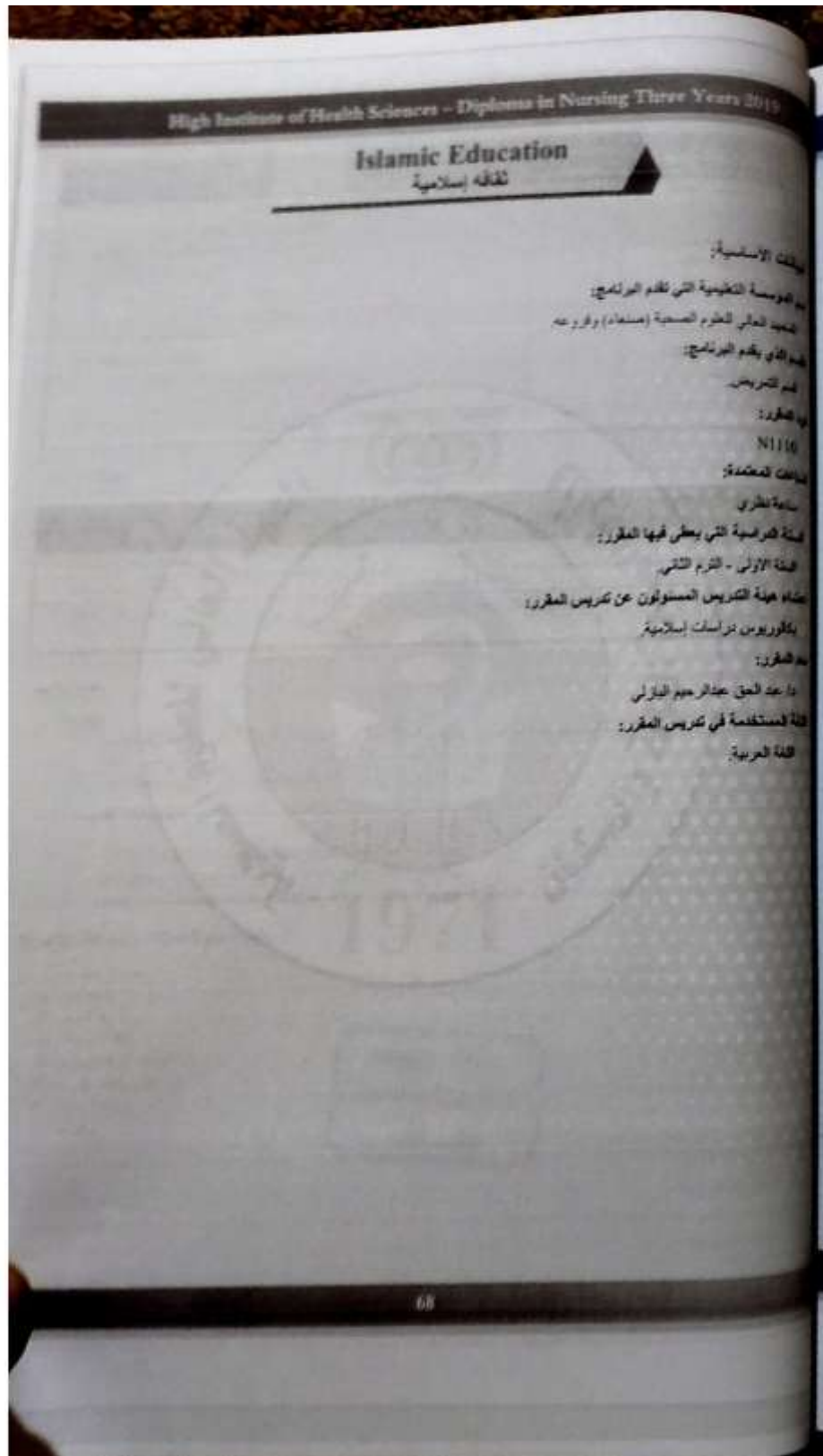
المواقع الإلكترونية:

- <http://lexicons.sakgr.com/default.HTM> المعجم العربي.
- <http://www.al-mostafa.com/index.htm> مكتبة المصطفى.
- <http://www.almeshkat.net/books/index.php> مكتبة مشكاة الإسلام.

التسهيلات والإمكانيات اللازمة للتعلم والتعلم:

١. قاعات دراسية.
٢. داتا شوا.
٣. لوحة عرض.
٤. سماعة وأقلام.
٥. برامج لغوية تعليمية.
٦. أوراق العمل والتدريبات.
٧. فيديو وتلفاز.
٨. مسجل.

منهج خاص
بالمعهد العالي للعلوم الصحية
صنعاء





High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
أساليب التقييم المستخدمة لتقييم المهارات المهنية:			
لا يوجد			
المهارات الانتقالية: Transferable Skill			
1. يتواصل مع زميلاتها باحاطة أثناء تحليل المصروفات الطبية. 2. يعمل مع زميلاتها بروح الفريق الواحد. 3. يمارس حقوقه وحرياته، واعتراض حقوق الآخرين والدفاع عنها، وترجمتها في سلوكه ونقاطه البرمجة مع زملائه ومعلميه والمجتمع. 4. يلتزم بمبدأ بلعنه قيم وأحكام الإسلام في الأفعال والسلوكيات وتنظيم السلوك، وعلاقاتها بواجبات الطبيب، ولبائحه المهنية. 5. يقدم تقريراً مدعماً بالأدلة حول أنواع محددة من الانتهاكات الشائعة، الظروف، الآثار، الأسباب، المتعبدين، العلوم، والصراخ) مستعينا بمحج وبراهين من الكتاب والسنة وآراء الفقهاء والمفكرين الإسلاميين.			
استراتيجيات التعليم والتعلم المستخدمة لاكتساب المهارات الانتقالية:			
1. لعب الدور. 2. تكاليف جماعية. 3. عروض تقديمية.			
أساليب التقييم المستخدمة لقياس تحقق المهارات الانتقالية:			
1. تقييم لعب الدور عبر قوائم المراجعة. 2. تقييم كتابه تقارير التكليف. 3. تقييم العروض التقديمية.			
مستوى المقرر:			
(1) المواضيع النظرية:			
الموضوع	الماعات الطبية	استراتيجية التعليم والتعلم	
مقدمة عن المقرر			
مفهوم الثقافة وطبيعتها والتحديات التي تواجهها:			
• مفهوم الثقافة لغة واصطلاحاً وتطوراً تاريخياً. • مفهوم الثقافة الإسلامية ونشأتها. • التفرقة بين الثقافة والعلم والهوية والحضارة. • أهمية الثقافة الإسلامية.	1	محاضرة - تفاعلية	
مصادر الثقافة الإسلامية:			
• المصدر الأول: القرآن الكريم. • المصدر الثاني: السنة النبوية. • المصدر الثالث: التاريخ الإسلامي.	1	محاضرة - تفاعلية تكاليف جماعية	
خصائص الثقافة الإسلامية:			
• (الدينية، الشمول، التكامل، الإنسانية والعلمية، الثبات والعرونة، التوازن، الواقعية، الأيجابية).	1	محاضرة - تفاعلية عروض تقديمية	
أبرز التحديات التي تواجه الثقافة الإسلامية:			
• الحضارية وعوامل ظهورها. • الاستشراق وتوابعه ومناهجه. • التفسير وأهدافه وأساليبه. • ظاهرة العولمة: مجالاتها وسبلاتها.	1	محاضرة - تفاعلية تكاليف جماعية	
طبيعة الحضارة في الفكر الإسلامي:			
• مفهوم الحضارة في الإسلام.	1	محاضرة - تفاعلية تكاليف جماعية	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
الموضوع	الساعات الطبية	امتحان الجبة التعليم والتنظيم	م
• مبادئ الحضارة الإسلامية. • خصائص الحضارة الإسلامية. • الوعود الإلهية في الشهود الحضاري وشروطه. • المسن الكونية في زدهار الحضارات والنهيارها. • مظاهر الحضارة الإسلامية وأثرها على الحضارات الأخرى.			
الصراع العربي الإسرائيلي: (١) اليهودية: • مفهوم اليهودية - مفهوم اليهودي. • اليهودية ونشأتها في الماضي. • من اليهود إلى احتلال اليهودية. • موقف الإسلام من اليهودية والنصرانية.	١	محاضرة تفاعلية حلقة نقاش	٦
تتابع الصراع العربي الإسرائيلي: (٢) الصهيونية: • تعريف الصهيونية. • الفكر الصهيوني والحركة الصهيونية. • السمات الأساسية للمشروع الصهيوني. • عوامل نشو الكيان الإسرائيلي في قلب الأمة. • كيفية المناهج الإسرائيلية والتطرف الفكري الإسرائيلي. • أهم الدروس والعبر التي يجب أن نستقيها.	١	محاضرة تفاعلية حلقة نقاش	٧
اختبار تصفي.	1		٨
تتابع الصراع العربي الإسرائيلي. أبعاد الصراع العربي الإسرائيلي وخصائصه: • خصائص أبعاد الصراع العربي الإسرائيلي. • من أهم خصائص أبعاد الصراع العربي الإسرائيلي. • أهم أبعاد الصراع العربي الإسرائيلي. • البعد الحضاري. • البعد الديني. • البعد الثقافي والإعلامي. • البعد الاقتصادي. • البعد الاستيطاني والسكاني.	١	محاضرة تفاعلية حلقة نقاش	٩
حقوق الإنسان وحريته في الإسلام: • مفهوم الحقوق والواجبات في الإسلام. • العلاقة ما بين الحق والواجب. • مفهوم الحرية في الإسلام ولها وضوابطها. • العلاقة بين الحرية والحقوق. • أنواع الحقوق والحريات في الإسلام: • الحقوق (المدنية، السياسية، الاجتماعية، الفكرية والتعليمية). • الإعلان العالمي لحقوق الإنسان. • الإعلان الإسلامي لحقوق الإنسان. • مقارنة بين الحقوق والحريات في الإسلام والقوانين الوضعية.	١	محاضرة تفاعلية تكاليف جماعية	١٠
أبرز حقوق الإنسان الخاصة في نطاق الأسرة: أ- حقوق المرأة في الإسلام: • مكانة المرأة في المجتمعات غير الإسلامية. • مكانة المرأة في الإسلام. • أنواع الحقوق الخاصة للمرأة في الإسلام. • واجبات المرأة وأدائها في الإسلام. • روية الإسلام في المساواة بين الرجل والمرأة.	١	محاضرة تفاعلية تكاليف جماعية	١١

High Institute of Health Sciences – Diploma in Nursing Three Years 2013		
الموضوع	الساعات الأسبوعية	استراتيجية التعلم والتعليم
١٠ حقوق الطفل في الإسلام: • حقوقه على الوالدين. • حقوقه على المجتمع. • حقوقه على الدولة. حقوق الإنسان الصحية الإسلام وقيم وأخلاقيات الطبيب المهنية: • هذا الإسلام في العناية بالصحة والحفاظ عليها. • أبرز حقوق لقوة الصحية في التشريع الإسلامي. • مواقف وأحكام الإسلام في: • - الأجهزة - قطع النسل وتنظيمه. • - الاستئذان. • - إزهاق الحياة الزماني (الموت الرحيم). • - تشريح الجثث - المعقود - المهندست. • - قيم وأخلاقيات الطبيب في الإسلام. • - الإخلاص - الأمانة - الصدق - الاتقان - الرفق بالمريض - حفظ الأسرار.	١	محاضرة تفاعلية حلقة نقاش
١١ فهم التسامح والحوار وتبذ القتل والتطرف: السلام والتسامح في الإسلام: • مفهوم السلام - ومشرعيته. • أهمية السلام وضروريته. • الفرق بين السلام والاستسلام. • أسس السلام وضوابطه في الإسلام. • حق الدفاع عن الوطن والدين. تابع فهم التسامح والحوار وتبذ القتل والتطرف: التسامح في الإسلام: • مفهوم التسامح في الإسلام - وأهميته - وأثره في الحياة. • رؤية الإسلام للتسامح في العلاقات مع الآخر. • أساس التسامح عند المسلمين. • قيم الإسلام في التعايش مع الآخر.	١	محاضرة تفاعلية
١٢ فهم الحوار وتبذ التطرف والعنف: الحوار الحضاري والديني والاختلاف: • مفهوم الحوار في الإسلام. • مفهوم الاختلاف. • أنواع الاختلاف وأسبابه. • آثاره وعلاجه. • أهمية الحوار ومجالاته. • شروط الحوار وضوابطه وأدائه. تابع فهم الحوار وتبذ التطرف والعنف: التطرف والقتل والتعصب في الدين: • مفهوم التطرف. • مفهوم قتل في الدين. • أسباب القتل. • مظاهر القتل والفكر المتطرف. • علاج القتل والتطرف. • علاقة التطرف بالقتل. • التعصب: مفهوم التعصب وأثره وعلاجه.	١	محاضرة تفاعلية حلقة نقاش
إجمالي الساعات	١٦	



معهد الجامعة
للعلوم الصحية





High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Fundamentals of Nursing II

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N121b.

Credit hours:
4 credit hours theory.
5 credit hours lab. practical.

Academic year / Level:
1st Year – 2nd Semester.

Course teaching staff:
Bachelor of nursing.

Language of teaching:
English language.

Prepared by:
Dr. Manal Ahmed Abo Ali.

Date of specification approval:
April 2019.

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Professional Information:

Course aims:

This course aims to provide the student with knowledge and skills related to physical examination techniques, oxygenation, nursing process, administration of medication, nutrition, elimination, wound care and diagnostic procedures.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Explain the techniques used in physical examination for adult and pediatrics.
- a.2. Define selected terms related to the administration of medication.
- a.3. Discuss the principles of nasogastric tube, catheterization and enema.
- a.4. Discuss the nursing process.

➤ **Strategies of Teaching and learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation methods:**

1. Objective questions.
2. Essay questions.

B. Intellectual Skills:

- b.1. Interpret input and output of body fluids.

➤ **Strategies of teaching and learning:**

1. Case study.

➤ **Assessment & Evaluation methods:**

1. Case study questions.

C. Professional & Practical skills:

- c.1. Perform nasogastric tube, catheterization, and bowel enema skillfully.
- c.2. Implement the essential steps of administration of medication.
- c.3. Assist in procedures of lumbar puncture, Paracentesis and thoracentesis.
- c.4. Apply care for various wounds.
- c.5. Collect specimens skillfully.
- c.6. Perform oxygen therapy.

➤ **Strategies of teaching and learning:**

1. Skill Lab.

➤ **Assessment & Evaluation methods:**

1. OSPE.

D. Transferable skills:

- d.1. Communicate with others respectfully.
- d.2. Manage time effectively.
- d.3. Work effectively with a team in different situations.

➤ **Strategies of Teaching and Learning:**

1. Role play.

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Assessment & Evaluation methods:

1. Roles play assessment.

Contents of the course:

1- Theory Subjects:

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No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation. Assessing health status: Physical examination technique (children and adult). • Proposes. • Techniques and equipment.	4	Interactive lecture Role play
2	Nursing process: • Assessment (history). • Nursing problems (nursing diagnosis). • Planning. • Implementation. • Evaluation.	4	Interactive lecture
3	Nutrition: • Function and food sources. • Signs of deficiency and excess of nutrients. • Use of daily food guides. • Factors influencing persons eating habits. • Ways of assisting client with meals. • Nursing responsibilities. • Risk factors. • Nausea and vomiting	4	Interactive lecture
4	Nasogastric tube: • Definitions. • Types • Indications and contraindications. Gastrostomy feeding: • Definitions. • Types. • Indications and contraindications.	4	Interactive lecture
5	Bowel Elimination: • Definitions. • Factors influencing bowel elimination. • Main deviations. Enema and colostomy:	4	Interactive lecture Presentation

High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
No.	Subject	Contact hours	Learning & teaching strategies
	- Definitions. - Types and sizes. - Indications and contraindications. - Care of enema and colostomy.		
6	Urinary elimination: - Definitions. - Factors influencing urinary elimination. - Main deviations. Catheterization: - Definitions. - Types and sizes. - Indications and contraindications. - Care of catheterization.	4	Interactive lecture Presentation
7	Oxygenation: - Influence factors. - Alteration in respiration. - Indication and contraindication of Oxygen therapy. - Oxygen therapy devices. - Inhalation therapy. - Suctioning. - Airways. - Endotracheal tube. - Tracheostomy tube.	4	Interactive lecture case study
8	Administration of medication: - Non-Parenteral medication. - Drug or medication definition. - Purposes of drugs. - Drug Nomenclature. - Factors affecting drug action: - Types of drug affect (actions). - Safety percussions: - Administer medication according to six rights: "Three Checks". - Types of medication orders. - Routes of administering & pharmacy preparation drugs: - Administering oral medications & Sublingual. - Instilling medication into eyes. - Instilling medication into ear. - Instilling medication into nose. - Administering metered dose inhalations. - Administering rectal suppository. - Instilling medication into vagina. - Administering of medications through NGT. - Applying topical medications. - Medication dosage calculations.	4	Interactive lecture Presentation

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No.	Subject	Contact hours	Learning & teaching strategies
	Midterm exam.	2	
9	2. Parenteral medication: - Injections: • Intradermal Injection (I.D). • Subcutaneous Injection (S/C). • Intramuscular Injection (I.M). • Intravenous Injection (I.V).	2	Interactive lecture
10	Fluid, Electrolyte balance: • Body fluid. • Factors influencing fluid and electrolytes. • Charting intake and output. • Intra venous solutions. • Blood transfusion. • Complications of infusion and blood transfusion.	4	Interactive lecture Case study
11	Skin integrity and wound care: • Definitions. • Classifications of wound. • Factors affecting wound healing. • Wound healing stages.	4	Interactive lecture
12	• Types of bandages and binders. • Wound care. • Sutures and needles.	4	Interactive lecture presentation
13	Diagnostic procedures: • Definitions of concepts. • Classifications. • Purposes. • Client educational needs. • Nursing responsibilities during and after selecting procedures. Specimen collections: (Blood, stool, urine, sputum, wound swaps, vaginal swaps).	4	Interactive lecture presentation
14	Special procedures: • Paracentesis. • Lumber puncture. • Thoracentesis. • Chest tube.	2	Interactive lecture presentation
	Rest and Sleep: • Factors affecting normal sleep. • Non-pharmacological intervention to promote sleep.	2	Interactive lecture Presentation
15	Pain Management: • Definitions. • Types of pain.	2	Group Discussion

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No.	Subject	Contact hours	Learning & teaching strategies
	- Assessment of patient with pain. - Non-pharmacological intervention to control pain.		
	Supporting psycho-social health patterns: - Stress and coping mechanism. - Physiological and psychological manifestation to stress. - Anxiety and anger. - Nursing role.	2	Interactive lecture presentation
16	The Experience of Loss, Death, and Grief.	4	Group Discussion
	Total hours	64	

2- Practical subjects:

No.	Content	Contact hours	Lab. Hospital, field
1	Introduction: - Orientation. - Roles of lab training. Physical examination (children and adult, pregnant women): - Integumentary system: - Assessing the skin. - Assessing the Hair. - Assessing the Nails. - The Head: - Assessing the skull and face. - Assessing the eye structures and visual acuity. - Assessing the Ears and Hearing. - The Neck: - Assessing the Neck. - Lower Airway: - Assessing the thorax and lungs. - Cardiovascular and peripheral vascular systems - The Breasts and axillae, - Assessing the breasts and axillae. - The abdomen: - Assessing the abdomen.	10	Lab practice
2	- The Musculoskeletal system: - Assessing the musculoskeletal system. - The Neurological system: - Assessing the neurological system - The female genitals and inguinal area: - Assessing the female genitals and inguinal area. - The male genitals and inguinal area - Assessing the male genitals and inguinal area. - The Rectum and anus - Assessing the rectum and anus.	10	Lab practice
3	Nasogastric tube:	10	Lab practice

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No.	Content	Contact hours	Lab. Hospital, field
	- Gastrointestinal Intubation (adult & pediatric). - Inserting a Nasogastric Tube (NGT). - Gastric Lavage. - Gastric Gavage. - Oral and Enteric Nutrition.		
4	Bowel Elimination: - Positioning and Removing a Bedpan. - Administering an Enema (Retention). - Administering an Enema (Non-Retention).	10	Lab practice
5	Urinary Elimination: - Catheter (adult & pediatric): - Inserting an indwelling catheter (Male). - Inserting an indwelling catheter (Female). - Performing condom catheter. - Positioning and removing a urinal.	10	Lab practice
6	Administering Oxygen by: - Low flow devices: • Nasal cannula. • Nasal catheter. • Tran's tracheal catheter. • Simple Mask. • Partial Rebreathe mask. • Non-Rebreathe mask. - High flow devices: • Air entrainment Mask (venture). • Air entrainment Nebulizer. • Nasal High flow oxygen Therapy.	10	Lab practice
7	• Oropharyngeal and nasopharyngeal suctioning.	10	Lab practice
8	Midterm exam.	10	
9	Medication administration: • Non-parenteral medication administration: - Administering oral medications & Sublingual. - Instilling medication into eyes. - Instilling medication into ear. - Instilling medication into nose. - Administering metered dose inhalations. - Administering rectal suppository. - Instilling medication into vagina. - Administering of medications through NGT. - Applying topical medications.	10	Lab practice
10	• Parenteral medication administration: - Withdrawing medication from an Ampule/ Vial. - Administering an Intradermal injection (ID inj.). - Administering a Subcutaneous injection (S/C inj.).	10	Lab practice
11	- Administering an Intramuscular injection (IM inj.). - Administering an Intravenous injection (IV inj.).	10	Lab practice
12	- Administering IV Cannula. - Administering Infusion therapy.	10	Lab practice

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No.	Content	Contact hours	Lab, Hospital, field
13	- Administering a blood transfusion. - Recording intake & output.	10	Lab practice
14	Wound care: - Clean Wound. - Contamination wound. - Applying a dry sterile dressing. - Applying a wet to dry dressing. - Suturing & sutures types. - Removing skin sutures and staples - Wound Irrigation.	10	Lab practice
15	Applying bandage and banders.	10	Lab practice
16	Collection of specimens: • Collecting blood specimens. • Collecting urine specimen • Collecting stool specimen • Collecting sputum specimen. • Collection vaginal swap.	10	Lab practice
Total hours		160	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions, objective questions and OSPE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

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Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Assignment (group presentations).	Every 3 rd week
2	Quizzes.	Every 4 th week
3	Midterm theoretical exam.	8 th week
4	Midterm lab. Exam.	8 th week
5	Final lab. Exam.	After 16 th week
6	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Fundamentals of Nursing: concepts, process and practical/ Audrey Berman - Kozier and Erb's, 4th edition, 2018.
2. Fundamentals of Nursing, Patricia A. 9th Edition, 2017.
3. Clinical nursing skill and Techniques , Anne Griffin, 9th Edition, 2019 .

Websites:

- www.pearson.com.au
- www.fAdavis.com
- www.prenkall.com.berman
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5531884>

Notes:

- Students will be provided with handouts from course teacher

Facilities Required:

1. Lab-top.
2. Data – show.
3. New editions of reference books.
4. Equipment of physical examination.
5. Electronic doll.
6. Nasogastric tube administration instruments.
7. Enema administration instruments.
8. Urinary Catheterization administration instruments.
9. Oxygen administration instruments.
10. Medication administration instruments.
11. Wounds care instruments.
12. Surgical suture and suture materials.
13. Equipment of dressing.
14. Bed pan.
15. Specimen's collection instruments.
16. Bandage and bonders.
17. Vital signs instruments.
18. Autoclave and oven.
19. Pulls Oximeter.
20. Beds.





معهد الجامعة
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Anatomy II

Basic Information:

Name of institute:

High institute of health sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N122b.

Credit hours:

2 credit hour's theory.

Academic year / Level:

1st Year – 2nd Semester.

Course teaching staff:

Bachelor of general medicine.

Language of teaching:

English language.

Prepared by:

Dr. Salah Modhesh Ali Alsharabi.

Date of specification approval:

April 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course is designed to establish a strong foundation of the subjects of anatomy, and provide student with scientific knowledge in anatomical structure of human body for Respiratory, Urinary, Endocrine, Nervous and Reproductive system.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- Describe structure of urinary system and reproductive system.
- Identify structure Endocrines, nervous system and sense organs.

➤ Strategies of Teaching and Learning:

- Interactive lecture.

➤ Assessment & Evaluation methods:

- Objective questions.
- Essay questions.

B. Intellectual skills:

- Distinguish between structure of upper and lower respiratory system.
- Distinguish structure of urinary system and reproductive system.
- Formulate anatomical structure of Endocrines, nervous system and sense organs.

➤ Strategies of Teaching and Learning:

- Case study.
- Group discussion.

➤ Assessment & Evaluation methods:

- Evaluation of case study.
- Evaluation of group discussion.

C. Professional & Practical skills:

- Identify the most important glands and organs of endocrine, respiratory and urinary systems on models.

➤ Strategies of Teaching and Learning:

- Practical on respiratory and urinary models.

➤ Assessment & Evaluation methods:

- Evaluation of practical on models.

D. Transferable skills:

- Communicate others respectfully
- Work effectively with a team in different situations
- Manage his time effectively.

➤ Strategies of Teaching and Learning:

- Case study.
- Group discussion.
- Role play.
- Presentation.

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➤ Assessment & Evaluation Methods:

1. Observation.
2. Evaluation of presentation.
3. Evaluation of role play.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Respiratory system: - Structure and position (upper respiratory tract)	2	Interactive Lecture
2	Respiratory system: Structure and position (lower respiratory tract).	2	Interactive Lecture Practical on model
3	Urinary system: - Definition. - Kidney structure and position.	2	Interactive Lecture Practical on model
4	urinary system: Structure and position of ureter, urinary bladder and urethra.	2	Interactive Lecture Practical on model
5	Endocrine system: Structure and position of pituitary gland anterior and posterior lobes.	2	Interactive Lecture
6	Endocrine system: Structure and position of thyroid gland and parathyroid gland.	2	Interactive Lecture Group discussion
7	Endocrine system Structure and position of adrenal gland, pineal gland, thymus gland and pancreas.	2	Interactive Lecture
8	Midterm exam.	2	
9	Nervous system: - Definition and classification. - Brain (cerebrum, cerebellum, diencephalon and brainstem).	2	Interactive Lecture
10	C.N.S: Spinal Cord: Definition and structure.	2	Interactive Lecture
11	Peripheral Nervous System (P.N.S): - Cranial Nerves. - Spinal nerves.	2	Interactive Lecture Group discussion
12	Autonomic Nervous System (A.N.S): Sympathetic and Parasympathetic.	2	Interactive Lecture

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No.	Subject	Contact hours	Learning & teaching strategies
13	Sense organs Structure: • Eye.	2	Interactive Lecture Group discussion
14	• Ear. • Skin.	2	Interactive Lecture Group discussion
15	Male Reproductive System: Structure and Position of: • External organs. • Internal organs.	2	Interactive Lecture
16	Female Reproductive System: Structure and Position of: • External organs. • Internal organs.	2	Interactive Lecture
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Ross and Wilson "Anatomy & Physiology" in health and illness 12^{ed} 2014.
2. "Gray's Anatomy for students" forty. First edition 2017.
3. Snell's Clinical Anatomy by Region, 9th edition 2018.
4. Keith L. Moore, Arthur F. Anne M., R. Ague, Clinically Oriented Anatomy, 6th edition.



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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Websites:

- www.anatomy.wisc.edu/courses/gross
- www.anatomy.moma.edu
- www.unimeble.edu.au
- www.anatomyinclav.com
- www.anatomytrains.com

Facilities Required:

1. Classroom lectures.
2. Laptop.
3. Data - show machine.
4. Models respiratory, urinary, nervous, digestive systems, nervous and others.
5. White board.
6. Markers.
7. Library.
8. Charts and posters.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Physiology II

Basic Information:

Name of institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code number:
N123b.

Credit hours:
2 credit hours.

Academic year / Level:
1st Year – 2nd Semester.

Course teaching staff:
Bachelor of general medicine.

Language of teaching:
English language.

Prepared by:
Dr. Muncera Abdulhameed.

Date of specification approval:
April 2019.

منهج خاص
بالمعهد العالي للعلوم الصحية
صنعاء

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course aims to provide students with the basis of the different physiological mechanisms and regulatory processes occurring at the different levels of all the body systems. That must be understood by the students in order to pursue their healthcare career related to nursing (digestive system, urinary system, reproductive system, endocrines system, nervous system and special sense).

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Describe the function of Respiratory system, genitourinary system, Reproductive system and Endocrine gland.
- a.2. Identify the nervous system function and special sense.

➤ Strategies of Teaching and Learning:

1. Interactive lecture.

➤ Assessment & Evaluation Methods:

1. Objective questions.
2. Essay questions.

B. Intellectual Skills:

- b.1. Differentiate the function of respiratory system, genitourinary system, and reproductive system.
- b.2. Distinguish between endocrine hormones functions.
- b.3. Compare between axial and appendicular nervous system functions.

➤ Strategies of Teaching and Learning:

1. Role acting.
2. Group discussion.

➤ Assessment & Evaluation methods:

1. Assessment of role play.
2. Assessment of group discussion.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Work effectively with team.
- d.2. Motivate individual or groups to improve awareness, learning & behavior.
- d.3. Communicate with others respectively.
- d.4. Manage his time effectively.

➤ Strategies of Teaching and Learning:

1. Case study.
2. Group discussion.
3. Presentation.

➤ Assessment & Evaluation methods:

1. Observation.
2. Evaluation of presentation.
3. Evaluation of role play.

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Contents of the course:			
1. Theory subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview:	2	Interactive lecture
	- Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation.		
2	Digestive system function:	2	Interactive lecture
	- Tongue. - Teeth. - Saliva. - Mouth pharynx. - Esophagus factors preventing gastric reflux. - Stomach. - Small intestine. - Bile. - Absorption of nutrients. - Gall bladder.		
3	- Pancreas. - Liver. - Large intestine. - Rectum. - Anal canal.	2	Interactive lecture
4	Urinary system function of the kidney:	2	Interactive lecture
	- Definition. - Filtration. - Selective. - Absorbance. - Secretion.		
5	- Water balance. - Urine output. - Ureters function. - Urinary bladder function. - Urethra function. - Maturation.	2	Interactive lecture
6	Female Reproductive system functions:	2	Interactive lecture
	- Vagina. - Uterus. - Uterine tubes. - Ovaries. - Puberty in the female. - Ovulation. - Menstrual cycle.		
7	Male Reproductive system functions:	2	Interactive lecture
	- Scrotum. - Testes.		



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No.	Subject	Contact hours	Learning & teaching strategies
	- Spermatic cords. - Seminal vesicles.		
8	Midterm exam.	2	
9	- Prostate gland. - Ejaculatory ducts. - Urethra. - Penis. - Puberty in the male.	2	Interactive lecture
10	Endocrines system functions: - Hypothalamus. - Pituitary gland. - Thyroid gland. - Parathyroid gland.	2	Interactive lecture and Role play
11	Endocrines system functions: - Adrenal gland. - Pineal gland. - Thymus gland. - Pancreas.	2	Interactive lecture and role play
12	Nervous system (C.N.S) functions: - Meninges. - Brain (cerebral, brain stem and cerebellum).	2	Interactive lecture
13	- Spinal cord. - Grey matter. - White matter. - Voluntary muscle movement.	2	Interactive lecture
14	Nervous system (P.N.S) Peripheral: - Functions of the 12 cranial nerves. - Functions of the autonomic nervous system.	2	Interactive lecture
15	Special senses: - Sight and the eye. - Physiology of sight. - Skin sensation.	2	Interactive lecture
16	- Hearing. - Balance. - Smell.	2	Interactive lecture
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 4 th week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Ross and Wilson Anatomy and Physiology in Health and Illness, 13th T Edition; 2018.
2. Anatomy and Physiology-OpenStax College-with edits3- principles of anatomy and physiology - 14th edition- 2013.

Websites:

- <https://schoolwires.henry.k12.ga.us/cms/lib/GA01000549/...>
- <https://schoolwires.henry.k12.ga.us/cms/lib/GA01000549/...>
- www.rvanhs.org/files/donahucnotes/ANATOMY/APIHumanBodyOrientation.ppt
- www.nd.gov.ctc/programs/health-careers/ppt/central-nervous-system.ppt
- www.coe.mt.edu/~222220Biology/2202_6_08/220Nervous%20System/220%20Nervous%20System.ppt
- https://schoolwires.henry.k12.ga.us/cms/lib/GA01000549/.../Nervous_System.ppt

Notes:

Teacher hand out.

Facilities Required:

1. Lab-top.
2. Data - show machine.
3. Model.
4. New editions of reference books.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Parasitology

Basic Information:

Name of Institute:

High institute of health sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N1211

Credit hours:

2 credit hours theory.

½ credit hours Lab. Practical.

Academic year / Level:

1st Year – 2nd Semester.

Course teaching staff:

Bachelor of medical laboratories.

Language of teaching:

English language.

Prepared by:

Dr. Hanan Alfodai.

Date of specification approval:

April 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

The aim of this course is to providing the students with knowledge about life cycle of common parasites, recognize deferent stages of parasites, and perform specimens of preparation.

Intended learning outcomes (ILOs).

A. Knowledge & Understanding:

- a.1. Categorize the parasites according to characteristic & habitant.
- a.2. Explain the effects of parasites on individual health.
- a.3. Enumerate the principles of collect and transfer of diagnostic samples.
- a.4. Describe the important symptoms of parasites diseases.

➤ Strategies of Teaching and Learning:

1. Interactive lecture.

➤ Assessment & Evaluation Methods:

1. Essay exam.
2. MCQs.

B. Intellectual skills:

- b.1. Recognize the parasites disease and kind parasite from symptoms.
- b.2. Conclude the kind of diagnostic sample for each parasite based on symptoms.
- b.3. Differentiate between normal and abnormal results.

➤ Strategies of Teaching and Learning:

1. Case study.
2. Group discussion.
3. Evaluate Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & practical skills:

- c.1. Prepare deferent samples of parasite.
- c.2. Recognize the deferent stages of parasite.

➤ Strategies of Teaching and Learning:

1. Practical in Labs.
2. Slid data show.

➤ Assessment & Evaluation Methods:

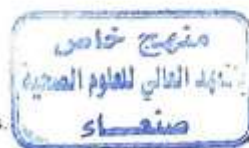
1. OSPE.

D. Transferable skills:

- d.5. Communicate with others respectively.
- d.6. Work effectively with a team in different situations.
- d.7. Manage his time effectively.

➤ Strategies of Teaching and Learning:

1. Presentation.



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➤ Assessment & Evaluation methods:

1. Evaluate the Presentations.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Introduction for parasitology: Deferent sample preparation. Classification of parasite (Helminths - Protozoal).	2	Interactive Lecture
2	Definition, Types & Distinction of: (Habitant - life cycle - I. host - D. host - Vectors -sours of infection- mode of enter -Pathogenesis).	2	Interactive Lecture
3	1-Endo parasites: (characteristic-life cycle-symptoms- Pathogenesis - prevention- treatment) of: A- Protozoa:	2	Interactive Lecture
4	a) Entamoeba.	2	Interactive Lecture
5	b) Giardia.	2	Interactive Lecture
6	c) Trichomonas vaginalis.	2	Interactive Lecture
7	d) Malaria.	2	Interactive Lecture & Case study
8	e) Toxoplasma & Trypanosoma.	2	Interactive Lecture & Case study
9	Midterm exam.	2	Interactive Lecture & Case study
10	f) Leishmania. B- Helminthes:	2	Interactive Lecture & Case study
11	a) Schistosoma Species.	2	Interactive Lecture
12	b) Fasciolopsis buski & Fasciola hepatica.	2	Interactive Lecture
13	c) Taenia Species.	2	Interactive Lecture
14	d) Echinococcus granulosus (larvae) & H. nana.	2	Interactive Lecture
15	e) Ascaris & Enterobius.	2	Interactive Lecture
16	f) Hook worm, Trichuris and Filaria. 2-Ectoparasite:	2	Interactive Lecture
	a) Myiasis.		
	b) Scabies.		
Total hours		32	

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2. Training Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Introduction for parasitology lab. Preparation sample of stool.	1	Parasite lab.
2	Preparation sample of blood.	1	Parasite lab.
3	Preparation sample of urine.	1	Parasite lab.
4	Preparation sample of skin.	1	Parasite lab.
5	Preparation sample of vaginal swab.	1	Parasite lab.
6	1-Endo parasites: A- Protozoa 1-Entamoeba & Giardia.	1	Parasite lab. Identify cyst & trophozoite under microscope.
7	2- Trichomonas vaginalis, Toxoplasma, & Trypanosoma.	1	Identify trophozoite by Data show
8	Midterm exam.	1	
9	3-Malaria.	1	Identify stage of Malaria under microscope
10	4- Leishmania.	1	Identify stage of parasite under microscope
11	B- Helminthes; 1- Schistosoma Species.	1	Identify of eggs under microscope
12	2- Fasciolopsis buski & Fasciola hepatica.	1	Identify of adults & eggs by Data show
13	3- Taenia Species & H. nana.	1	Identify of adults & eggs under microscope
14	4- Echinococcus granulosus (larvae) & Ascaris & Enterobius.	1	Identify of adults & eggs & larvae under microscope or by Data show
15	5- Hook worm, Trichuris & Filaria.	1	Identify of adults & eggs under microscope or by Data show
16	2-Ectoparasite: - Myiasis & Scabies.	1	Identify of parasite by Data show
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, practical skills, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Assignment (group presentations).	Every 3 rd week
2	Quizzes.	Every 4 th week
3	Midterm theoretical exam.	8 th week
4	Midterm lab. Exam.	8 th week
5	Final lab. Exam.	After 16 th week
6	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Human parasites, Mehlhorn Heinz, 1st edition 2016.
2. District laboratory practice in Tropical countries part, Monika chees brough, 2nd edition, 2005.
3. Atlas of medical Helminthology and Protozoology, 1-Peter L. chiodin Anthony H. moody 3-David W. manser, 4th edition 2003.

Website

- www.springer.com
- www.amazon.com
- www.elsevierhealth.com

Notes:

- Summary of all presentation of student groups after rave review by teacher.
- Handout from course's teacher.

Facilities Required:

1. White bored.
2. Markers.
3. Data show.
4. Laptop.

Parasitology Lab (OSKY lab):

1. Instrument of lab.
2. Learning slides.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Microbiology & Immunology

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department

Code number:

N1212

Credit hours:

2 credit hours theory,
½ credit hours Lab. Practical.

Academic year / Level:

1ST Year – 2nd Semester.

Course teaching staff:

Bachelor of medical laboratory.

Language of teaching:

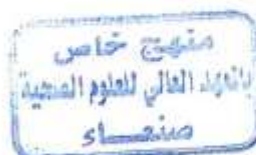
English language.

Prepared by:

Dr. Helal Ali Yosef.

Date of specification approval:

April 2019.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

Educate about the concept and purposes of Microorganisms and Immune system, describe the structure of Microorganisms and Immune system, understanding the species, transmission, pathogenicity, and identify how to collection and transport of specimens, educate the concept of bacterial gram positive and gram negative, describe the DNA, RNA viruses, types of fungal, and innate, adaptive of immunity, Identify the different method of laboratory diagnosis and prevention for Microorganisms.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss the different between the Microorganisms according to (morphology, pathogenicity, laboratory diagnosis and prevention).
- a.2. Mention the laboratory method that used for diagnosis of Microorganisms.
- a.3. Explain the concept of Antigens, Antibodies, Natural, Acquired of immunity and autoimmune disease, immunity deficiency.
- a.4. Discuss the relationship between immunity and infection.
- a.5. Discuss the important of Antibodies in clinical medicine.
- a.6. Enumerate the methods of sterilization and disinfection.

➤ **Strategies of Teaching and Learning:**

1. Interactive lectures.

➤ **Assessment & Evaluation Methods:**

1. Objective exam.
2. Essay exam.

B. Intellectual skills:

- b.1. Compare between the different of Microorganisms.
- b.2. Differentiate between the bacteria gram positive and gram negative.
- b.3. Differentiate between the method that used for specimen's collection and transportation.
- b.4. Formulate the scheme for immune system.
- b.5. Interpret the susceptibility of bacteria to antibiotics.

➤ **Strategies of Teaching and Learning:**

1. Case study.
2. Group discussion.

➤ **Assessment & Evaluation Methods:**

1. Group discussion evaluation.
2. Case study evaluation.

C. Professional & Practical skills:

- c.1. Perform the smear and stain.
- c.2. Used of culture media and antibiotic susceptibility test.
- c.3. Used of KOH and Immunochromatographic.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

➤ Strategies of Teaching and Learning:

1. Stain.
2. Microscopic.
3. Media.

➤ Assessment & Evaluation Methods:

1. Assessment of staining, Media and testing.

D. Transferable skills:

- d.1. Communicate with others respectively.
- d.2. Work effectively with a team in different situations.
- d.3. Manage his time effectively.

➤ Strategies of Teaching and Learning:

1. Discussion group.
2. Role play.
3. Presentation.

➤ Assessment & Evaluation Methods:

1. Assessment of group discussion.
2. Evaluation of presentation.
3. Evaluation of role play.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Introduction to microbiology: - Definition. - Properties. - Classification. - Normal flora.	2	Interactive lecture
2	Bacteriology: Mode of transmission, Pathogenicity, Specimens collection for: - Staphylococci. - Streptococci. - Diphtheria. - Clostridium.	2	Interactive lecture
3	- Mycobacterium TB and Leprosy. - Neisseria.	2	Interactive lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
4	- Salmonella. - Shigella. - Vibrio.	2	Interactive lecture
5	- Haemophilus. - Brucella.	2	Interactive lecture
6	Virology (Mode of transmission, Pathogenicity, Specimens collection) for: DNA viruses: - Herpes simplex. - Hepatitis B. - Papillomaviruses.	2	Interactive lecture
7	RNA viruses: - HIV, Measles, Mumps, Rubella, H1, N1, Rabies, Dengue fever, Cytomegalovirus CMV. - Hepatitis -A, Hepatitis- C, Hepatitis -E.	2	Interactive lecture
8	Midterm exam.	2	
9	Mycology: (Mode of transmission, Pathogenicity, Specimens collection) for: - Cutaneous mycosis. - Subcutaneous mycosis.	2	Interactive lecture
10	Systemic mycosis.	2	Interactive lecture
11	Immunology: - Definition. - Natural (Innate) Immunity. - Acquired (Adaptive) Immunity.	2	Interactive lecture
12	- Antigens & Antibodies. - Important in clinical medicine.	2	Interactive lecture
13	Hypertensive and Autoimmune disease.	2	Interactive lecture
14	Immunity deficiency.	2	Interactive lecture
15	Vaccination & Immunization.	2	Interactive lecture
16	Sterilization and disinfection.	2	Interactive lecture
Total hours		32	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

2. Training subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Introduction for microbiology lab.	1	Micro. Lab.
2	Smear preparation.	1	Micro. Lab.
3	Gram stain.	1	Micro. Lab.
4	Ziehl – Neelsen stain.	1	Micro. Lab.
5	Ziehl – Neelsen stain.	1	Micro. Lab.
6	Media preparation.	1	Micro. Lab.
7	Media preparation.	1	Micro. Lab.
8	Midterm exam.	1	
9	Inoculation of media.	1	Micro. Lab.
10	Incubation of media.	1	Micro. Lab.
11	Susceptibility testing.	1	Micro. Lab.
12	Susceptibility testing.	1	Micro. Lab.
13	Immunochromatographic.	1	Micro. Lab.
14	Immunochromatographic.	1	Micro. Lab.
15	KOH preparation.	1	Micro. Lab.
16	KOH preparation.	1	Micro. Lab.
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation table:

No.	Evaluation method	Evaluation appointment
7	Assignment (group presentations)	Every 3 rd week
8	Quizzes	Every 2 nd week
9	Midterm theoretical exam.	8 th week
10	Midterm lab. Exam.	8 th week
11	Final lab. Exam.	After 16 th week
12	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Medical Microbiology and Immunology; Warren Levinson; (2016).
2. Basic Immunology; Abul K. Abbas (2019).
3. The science of Laboratory diagnosis; David Burnett; et al; (2012).
4. Basic of laboratory procedures in Clinical bacteriology; J. Vandepitte and J. Vanhaegen ; World Health Organization; (2014).

Websites:

- <https://Books.Google.Com/Books?id=Tpnnewaaqpaj&da=MedicalMicrobiology>.

Facilities Required:

1. White board.
2. Data show.
3. Graphic.
4. Teaching Slides.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Primary Health Care

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N1213.

Credit hours:

1 credit hour.

Academic year / Level:

1st Year – 2nd Semester.

Course teaching staff:

Bachelor of nursing.

Language of teaching:

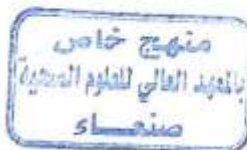
English Language.

Prepared by:

Dr. Abdullah Ahmed Jaish.

Date of specification approval:

April 2019.



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course will enable students to gain broader knowledge of primary health care and apply primary health care principles to develop strategies for illness prevention, health maintenance and promotion in a variety of health settings.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Identify basic concepts and goals of primary health care (PHC).
- a.2. Enumerate the elements of primary health care (PHC).
- a.3. Discuss the primary health care (PHC) services in Yemen.
- a.4. Describe the Health statues in Yemen.
- a.5. Describe the role of the nurse in primary health care.
- a.6. Discusses role of non-governmental organizations in developing (PHC).

➤ **Strategies of Teaching and Learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation Methods:**

1. Essay questions
2. Objective questions.

B. Intellectual skills:

- b.1. Classify the health indicators.
- b.2. Differentiate between primary health care levels.
- b.3. Plan a session for health education for two priority problems.
- b.4. Compare between roles of different governmental sectors supporting primary health care.

➤ **Strategies of Teaching and Learning:**

1. Case Study.
2. Group Discussion.

➤ **Assessment & Evaluation Methods.**

1. Case Study questions.

C. Professional & practical skills:

Not applicable.

D. Transferable skills:

- d.1. Apply interpersonal communication and ethics in caring for clients at different settings.
- d.2. Manage time and resources effectively and set priorities.
- d.3. Work efficiently within the health care team.

➤ **Strategies of Teaching and Learning:**

1. Presentation.

➤ **Assessment & Evaluation Methods:**

1. Presentation assessment.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Orientation on course: - Intended learning outcomes (ILOs). - Course: hours. - Course outline. - Course evaluation. Concept of primary health care: Definition and aims of primary health care,	1	Interactive lecture
2	Elements of primary health care: - Health education. - Promotion of food supply and proper nutrition. - An adequate supply of safe water & basic sanitation.	1	Interactive lecture
3	Maternal and child health care with family planning.	1	
4	- Immunization (major infectious diseases). - Prevention and control of locally endemic diseases.	1	Interactive lecture
5	- Appropriate treatment of common diseases and injuries. - Provision of essential drugs.	1	Interactive lecture
6	- Mental health. - Dental health.	1	Interactive lecture
7	Delivery of health care system. Health status in Yemen.	1	Interactive lecture
8	Midterm exam.	1	
9	Implementation health care system.	1	Interactive lecture
10	Al-Mata conference. Historical over-view 1978 (Items Al-Mata conference).	1	Interactive lecture
11	Strategies in primary health care (P.H.C).	1	Interactive lecture
12	Health determinants: - Definition of health determinant. - Types of health determinant. - Primary health care services.	1	Interactive lecture
13	Related government sectors supporting primary health care: - Education. - Media. - Housing. - Transportation	1	Interactive lecture
14	- Water resources. - Agricultural. - Social affairs - Youth & sport.	1	Interactive lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
15	Role of the nurse in (PHC).	1	Role play
16	Role of non-governmental organization in developing (PHC).	1	Interactive lecture
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Bryant, J. H., & Richmond, B. (2016). Alma Ata and primary health care: An evolving story. In S. R. Quah (Ed.), *International encyclopedia of public health*. London, England.
2. Public Health Nursing: Population-Centered Health Care in the Community 2019 (9th edition).
3. Community/Public Health Nursing: Promoting the Health of Populations 7th Edition (2018).

Websites:

- https://www.paho.org/blogs/paltex/wp-content/uploads/2016/06/preliminares_english_finkelman.pdf.

Notes:

- Nursing staff Hand out note.

Facilities Required:

1. Lab-top.
2. Data – show.
3. White board & marker.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Psychology

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N2114.

Credit hours:

1 credit hours.

Academic year / Level:

1st Year – 2nd Semester.

Course teaching staff:

Bachelor of Psychology.

Language of teaching:

Arabic, English Language.

Prepared by:

Dr: Arwa Alfosail.

Dr: Najla'a Abdullah AL-Hajiri.

Date of specification approval:

April 2019.



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course aims to provide the students with essential knowledge of the general human development of personality according to various psychological theories in order to enable them to understand the psychosomatic aspects of health, and communicate effectively with others.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss the concept of psychology.
- a.2. Recognize the basic human needs.
- a.3. Identify the development principles and parameters of human personality.

➤ **Strategies of Teaching and Learning:**

1. Interactive lectures.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective questions.

B. Intellectual Skills:

- b.1. Analyze the relation between illness and psychological state of individuals.
- b.2. Predict the human personality.
- b.3. Analyze the client's psychological state.
- b.4. Appreciate the importance of therapeutic communication and counseling in dealing with patients suffering from maladaptive behaviors.

➤ **Strategies of Teaching and Learning:**

1. Case study
2. discussion

➤ **Assessment & Evaluation Methods:**

1. Case study questions.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Write report about psychological case.
- d.2. Communicate appropriately.

➤ **Strategies of Teaching And Learning:**

1. Case study.

➤ **Assessment & Evaluation Methods:**

1. Case study Evaluation.
2. Assessment of role play.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Overview on the course: • Intended learning outcome. • Course out line. • Course time. • Course hours. • Course evaluations. Introduction: • Concept and definition of psychology. • Different schools of psychology.	1	Interactive Lecture
2	An introduction to theories of psychology and to their application to real life situations.	1	Interactive Lecture
3	Basic human needs: • Biological or primary drives. • Secondary social and psychological drives.	1	Interactive Lecture
4	Growth stages from infancy up to old age growth characteristics.	1	Interactive Lecture
5	The biological and environmental factors affecting Human behavior. Biological bases of behavior.	1	Interactive Lecture
6	Psychology of personality. • Definition and dimensional types. • Growth and environment factors. • Methods of assessment.	1	Interactive Lecture
7	Personality: • Development stages goals and basic structure of personality. • Some clinical personality types.	1	Interactive Lecture
8	Midterm exam.	1	
9	Motivations & needs: • Definition. • Types. • Important.	1	Interactive Lecture
10	Sensation and perception & emotions. • Definition. • Types. • Important.	1	Interactive Lecture
11	Health stress and coping.	1	Interactive Lecture
12	Abnormal psychology and treatment modalities for psychological disorders.	1	Presentation
13	Medical psychology. Psychological health and behavioral medicine.	1	Interactive Lecture
14	Psychological support and stress management	1	Interactive Lecture Discussion.
15	Communication and counseling techniques: • Specific characteristics of therapeutic communication	1	Interactive Lecture Discussion

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
	• Importance of counseling relationships.		
16	Research methods in psychology.	1	Interactive Lecture
	Total hours	16	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves essay exam, objective exam and OSPE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Assignments.	10%
2	Quizzes.	10%
3	Midterm exam.	20%
4	Final exam.	60 %
	Total	100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Assignment (group presentations).	Every 3 th week
2	Quizzes.	Every 3 rd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

1. Psychology for Nurses 3rd Edition, R Sreevani, , 2017, Jaypee Brothers Medical Publishers.

١. علم النفس، علي البنتاوي، "منخل الى علم النفس"، الامارات، دار الكتاب الجامعي، الطبعة ١

Websites:

- www.cktab.com

Notes: Teacher hand out.

Facilities Required:

1. Whiteboard.
2. Flip paper.
3. Data Show.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

English Language II

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

NI28b.

Credit hours:

2 credit hours.

Academic year / Level:

1st Year – 2nd Semester.

Course teaching staff:

Bachelor of English language.

Language of teaching:

English Language.

Prepared By:

Mrs. Rasqia Mohammed Al-Harithy

Date of specification approval:

April 2019.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course is design to assist nursing students to gain the necessary knowledge and skills of English Language in order to use them for medical studies and other purposes. Also, to teach them the basic knowledge of medical terminology concerned to their major.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Define the medical words.
- a.2. Explain routines and activities people do in hospital, using the right verb tense.
- a.3. Describe different hospital department do, using the appropriate parts of speech.
- a.4. Clarify the different responsibilities of each grade of nursing profession using correct English parts of speech.

➤ **Strategies of Teaching and Learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation Methods:**

1. Objective questions.
2. Essay question.

B. Intellectual skills:

- b.1. Analyze the medical words to its main elements using English Language.
- b.2. Choose the appropriate word that match a particular job in the hospital.
- b.3. Identify when using simple present & continuous through performing a specific job in the hospital.
- b.4. Conclude/ Deduce what some medical equipment are used for, using correct English words.
- b.5. Distinguish between types and degrees of pain, using the appropriate parts of speech.

➤ **Strategies of Teaching and Learning:**

1. Group discussion.

➤ **Assessment & Evaluation Methods:**

1. Group discussion evaluation.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Communicate easily with others using English & medical terms.
- d.2. Work in team effectively.
- d.3. Formulate different nursing reports correctly by using Medical & English words.

➤ **Strategies of Teaching and Learning:**

1. Role play.
2. Group discussion.
3. Reports.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Assessment & Evaluation Methods:

1. Role plays evaluation.
2. Group discussion evaluation.
3. Writing nursing reports evaluation.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. An Introduction to medical terminology: - The basic element of medical terminology. - Some basic rules to build medical words. - Some basic rules to read medical words. - Defining of some common medical words by analyzing them to their main elements.	2	Interactive lecture
2	Unit (1): The hospital Team: Pictures of job: - Match the job with a person in the picture. - Pronounce the names of job using phonetic spelling. Listening 1: An admission: - Conversation between patients admitted to hospital and another person from hospital staff, to decide who was speaking exactly. Vocabulary: - verbs to describing jobs. - Complete some descriptions with appropriate job and specific verbs.	2	Interactive lecture
3	Listening 2: A job interview: - Answering some questions. - Complete some sentences with some given words. Language spot: - Present simple and present continuous. - Reading a student nurse's email home to her friend and choose the correct verb form to complete the email. Reading: articles about nursing profession: - Some questions about the article.	2	Interactive lecture
4	Unit (2): In and around the hospital: - Some medical equipment (Name & use). Vocabulary: Hospital departments: - Describing what different hospital departments do. Language spot: - Preposition of place and movements. - Complete some sentences with the given prepositions.	2	Interactive lecture
5	Listening 1: Directions: Matching each dialogue with a picture.	2	Interactive lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
	- Fill in the missing words. - Writing: Giving directions via email: - Use a map to complete the spaces in the email. - Reading: It is my job: - Small passage about the hospital porter. Responsibilities. - Some questions about the passage.		
6	Unit (3): Hospital admissions. - Patient's admissions (inpatient- day patient-out patient). Vocabulary: The admissions procedures. - Complete the sentences with words related to admissions procedures. Reading: It is my job: - Small passage about the responsibilities of a hospital receptionist - Direct question about the passage.	2	Interactive lecture
7	Vocabulary: Patient record: - Read the patient record. - Find words and abbreviations in the patient record which have the same meaning as the given words / sentences. Listening: A patient record form: - Listening to a nurse get personal details from a patient and complete a form of patient record. - Listening again and complete the questions that the nurse asks.	2	Interactive lecture
8	Midterm exam.	2	
9	Speaking: Conversation: - Playing the role of the nurse and the patient to complete the patient record. Language spots: - Past simple & past continuous. Writing: patient's summary: - Reading a summary about the patient, using the information in the new patient record (the given record).	2	Interactive lecture
10	Unit (4): Accident & emergencies: Vocabulary: First aid. - Completed some sentences with a word from a given box. (Some words related to first aid). Language spots: Imperative: - To tell somebody what to do. - To tell somebody what not to do. - To emphasize what is important.	2	Interactive lecture
11	Using the present simple (have to –shall –should) when asking for instructions. Listening: Instructions: - Put a picture in a logically order, by receiving instructions from a paramedic. - Listening then describing what is happening in each picture.	2	Interactive lecture reading activities

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
	Complete some sentences with a verb from a given list.		
12	Reading: a surprise passenger. - Reading a text and answering some questions about it. It is my job: - Reading a text about someone who decided to become a paramedic. - Join some words combinations used in the text.	2	Interactive lecture reading activities
13	Signs & symptoms: shock: - Reading some sentences about signs & symptoms of shock and complete the blanks with the given words. Unit (5): Pain: Vocabulary: Describing pain. - Matching some given words (for types of pain) with their descriptions. Language spots: Making comparisons: - Match some examples with some given rules.	2	Reading – activities Interactive lecture
14	Listening: pain relief: - Listening to two women talking about their experiences of pain relief in labor. - Under line the part of the sentence in italics that is true. - Complete some sentences with some given verbs. Pronunciation: / 3:/ - /eə/ - /a/. - Putting the word into one of the three given columns according to the sound and trying to pronounce them.	2	Interactive lecture
15	Reading: pain: - Reading small passage about pain. - Answering some questions about the passage. Patient Care: Questions to assess pain. - Some basic questions to ask a patient when assessing pain. Writing: A pain report: - Reading the report of patient's pain then finding and correcting five mistakes in it.	2	Interactive lecture
16	Nursing reports: SBAR Report Sheet for nurses: - What does a SBAR report sheet for nurses look like? - How to write a paragraph using medical terms to describe: the patient (SBAR) which stand for situation, back ground, assessments and recommendations. - Commonly used questions to ask about the patient during nursing shift to shift report about the patient.	2	Interactive lecture Case study
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 4 th week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Illustrated Guide to Medical Terminology by: Guanita J. Davies. Cengage Learning. 2015.
2. Oxford English for careers: Nursing (1) by: Tony Grice, 2011.
3. Quick Medical Terminology: A Self-Teaching Guide 4th Edition by Shirley Soltesz Steiner, R.N., M.S. John Wiley.
4. DORLAND'S DICTIONARY of MEDICAL ACRONYMS & ABBREVIATIONS 2016 by Elsevier.

Websites

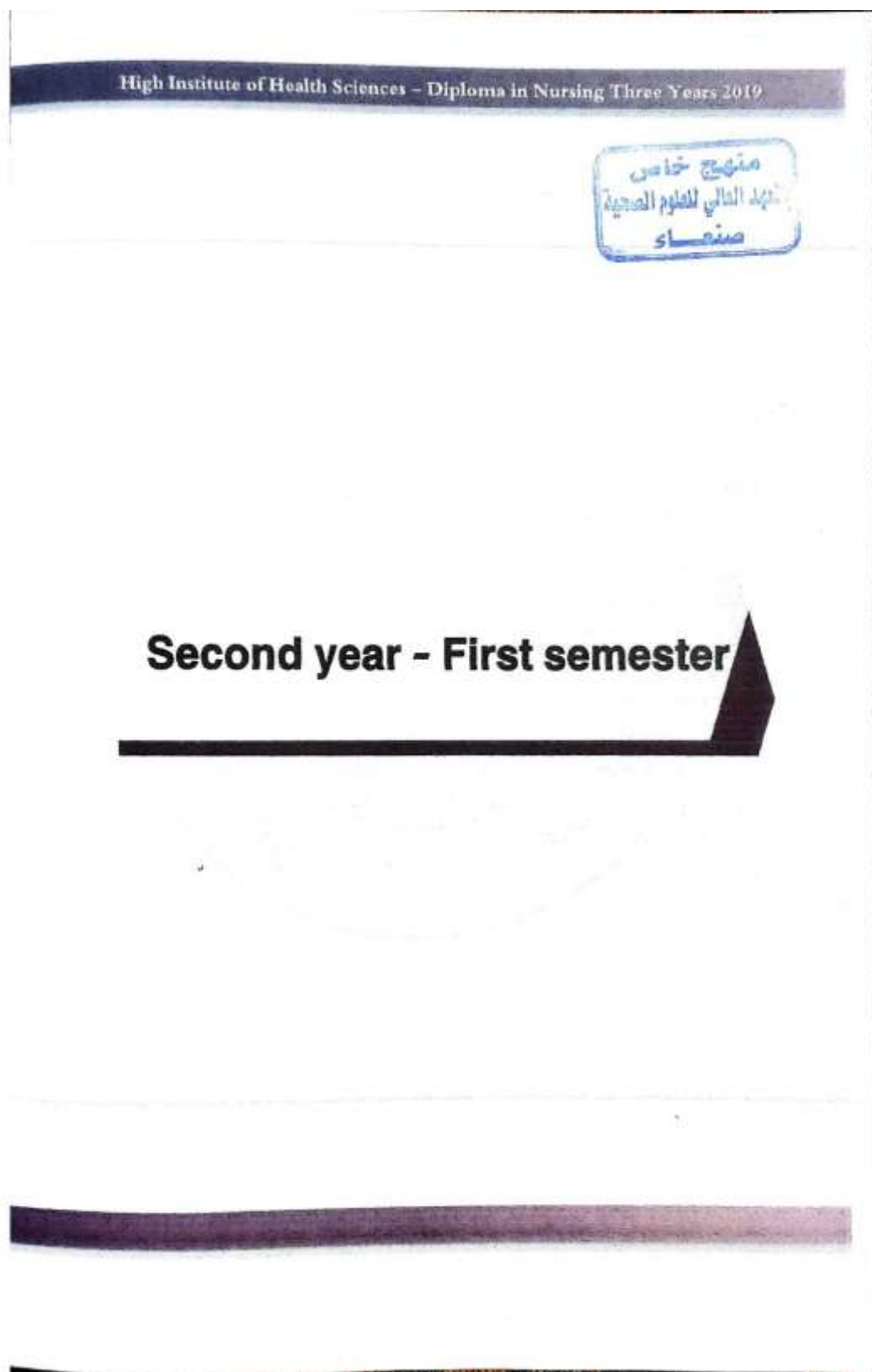
- <https://www.bookdepository.com/Illustrated-Guide-Medical-Terminology-Juanita-J-Davies/9781285174426>
- <https://www.bookdepository.com/Oxford-English-for-Careers-Nursing-1-Students-Book-Tony-Grice/9780194569774>
- www.elsevier.com/permissions

Notes:

- Students will be provided with handouts from teacher course.
- I adopt Oxford English for careers: Nursing (1) by: Tony Grice, with omission for some activities to be matched with the time of the lecture, the situation of the students themselves, and the educational circumference.

Facilities Required:

1. Board /Markers.
2. Multimedia (MB3).
3. Modern references with their teacher books.
4. Oxford English for careers: Nursing (1) by: Tony Grice & its teacher guide.
5. A wide class for group dissection.





المعهد الجامعي
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Medical Surgical Nursing I

Basic Information:

Name of institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code number:
N2115a.

Credit hours:
3 credit hours theory.
1 credit hour practical lab.
4 credit hours clinical.

Academic year / Level:
2nd Year – 1st Semester.

Course teaching staff:
Bachelor of nursing.

Language of teaching:
English Language.

Prepared by:
Dr. Ibtesam Farea Ali Al-Omairi.

Date of specification approval:
April 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

Aim of this course is to provide students with knowledge & skills of nursing process for reaction of body to diseases, respiratory, cardio vascular and gastro intestinal systems disorders.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Explain the components of nursing process.
- a.2. Identify the specific nursing process for medical and surgical cases.
- a.3. Mention the plan according to cases.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Analyze assessment findings for cases.
- b.2. Predict the outcomes of nursing care.
- b.3. Recognize the patient's body reactions to the diseases.

➤ Strategies of Teaching and Learning:

1. Group discussion.
2. Case study.

➤ Assessment & Evaluation Methods:

1. Case study evaluation.

C. Professional & Practical skills:

- c.1. Apply pre and post-operative care for various surgeries.
- c.2. Assist the patients during reactions of body to the diseases.
- c.3. Apply the nursing process for patients with respiratory and cardiovascular disorders.
- c.4. Provide the health education for patients with gastro intestinal diseases.
- c.5. Evaluate the implemented nursing process for medical surgical patients.

➤ Strategies of Teaching and Learning:

1. Clinical practice.

➤ Assessment & Evaluation Methods:

1. OSCE.

D. Transferable skills:

- d.1. Write the nursing process for medical surgical cases.
- d.2. Communicate effectively with patient, and family.

➤ Strategies of teaching and learning:

1. Case study.
2. Role play.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

- Assessment & evaluation methods:
1. Evaluation of case study.
 2. Evaluation of role play.

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation. Nursing process of undergo for surgery: • Pre-operative care. • Post-operative care.	3	Interactive lecture
Nursing assessment, nursing diagnosis, nursing planning, nursing intervention & evaluation of the following			
2	Nursing process of reaction of body to diseases: • Inflammation. • Hypersensitivity and auto-immune reactions. Nursing process of: • Fluid and electrolytes imbalance.	3	Interactive lecture & Presentation
3	Nursing process of respiratory system disorders: • Bronchitis. • Bronchial asthma. • COPD (Chronic obstruction pulmonary disease).	3	Interactive lecture & Group discussion
4	• Haemothorax. • Pneumothorax. • Pneumonia.	3	Interactive lecture & Presentation
5	• Emphysema. • Plural effusion. • Thoracic empyema.	3	Interactive lecture & Group discussion
6	Nursing process of cardio vascular system disorders: • Hypertension. • Arteriosclerosis. • Valvular diseases.	3	Interactive lecture & Presentation
7	• Varicose veins & aneurysm. • Ischemic heart disease: Acute MI. • Angina pectoris.	3	Interactive lecture
8	Midterm exam.	3	
9	Nursing process of cardio vascular system disorders: • Rheumatic heart Disease. • Congestive heart failure (CHF). • Pulmonary Embolism.	3	Interactive lecture & Group discussion
10	Nursing process of gastro intestinal system disorders: • Mouth conditions: Stomatitis, gingivitis. • Gastric conditions: Gastritis, peptic ulcer.	3	Interactive lecture & Group discussion

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No.	Subject	Contact hours	Learning & teaching strategies
11	- Gastroectomy. - Vagotomy & pyloroplasty. - Appendicitis.	3	Interactive lecture & Group discussion
12	- Appendectomy. - Enteritis. - Intestinal obstruction.	3	Interactive lecture & Group discussion
13	- Haemorrhoidectomy. - Anal fissure. - Fistula. - Herniorrhaphy.	3	Interactive lecture & Presentation
14	Nursing process of liver, gallbladder & pancreas conditions: - Hepatitis. - Liver cirrhosis.	3	Interactive lecture & Group discussion
15	- Cholecystitis. - Cholelithiasis. - Cholecystectomy. - Pancreatotomy.	3	Interactive lecture & Group discussion
16	Nursing process of poisoning.	3	Interactive lecture & Group discussion
Total hours		48	

2. Practical subjects:

No.	Subject	Contact hours	Lab. Hospital, field
1	Surgical skin preparation for surgical operation.	2	Nursing lab.
2	Receive the patient from the operation room.	2	Nursing lab.
3	Post-operative exercises.	2	Nursing lab.
4	Assisting with wound Incision and drainage & collecting wound swap for culture.	2	Nursing lab.
5	Measuring intake & output.	2	Nursing lab.
6	Chest tube care & remove of chest tube & drains.	2	Nursing lab.
7	Tracheostomy tube care.	2	Nursing lab.
8	Midterm exam.	2	Nursing lab.
9	Performing chest physiotherapy & Postural drainage.	2	Nursing lab.
10	Performing nebulization therapy.	2	Nursing lab.
11	Bowel irrigation.	2	Nursing lab.
12	Colostomy care & Emptying an ostomy pouch.	2	Nursing lab.
13	Twelve Leads Electrocardiogram (12 leads ECG).	2	Nursing lab.
14	Assisting with abdominal Paracentesis.	2	Nursing lab.
15	Burn first aid & dressing.	2	Nursing lab.
16	Poisoning first aid.	2	Nursing lab.
Total hours		32	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

3. Clinical Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Orientation for different hospital departments.	12	Hospital practice
Apply following the skills according to practical manual			
2	Apply nursing process of undergo for surgery: • Pre-operative care. • Post-operative care.	12	Hospital practice
3	Apply nursing process for reaction of body to diseases: • Inflammation. • Hypersensitivity and auto-immune reactions. Apply nursing process for: • Fluid and electrolytes imbalance.	12	Hospital practice
4	Apply nursing process of respiratory system disorders: • Bronchitis. • Bronchial asthma. • Chronic obstruction pulmonary disease (COPD).	12	Hospital practice
5	• Haemothorax. • Pneumothorax. • Pneumonia.	12	Hospital practice
6	• Emphysema. • Plural effusion. • Thoracic empyema.	12	Hospital practice
7	Apply nursing process of cardio vascular system disorders: • Hypertension. • Arteriosclerosis. • Valvular diseases.	12	Hospital practice
8	• Varicose veins & aneurysm. • Ischemic heart disease; Acute MI. • Angina pectoris.	12	Hospital practice
9	Midterm Exam.	12	Hospital practice
10	Apply nursing process of cardio vascular system disorders: • Rheumatic heart disease. • Congestive heart failure (CHF). • Pulmonary embolism.	12	Hospital practice
11	Apply nursing process of gastro intestinal system disorders:- • Mouth conditions: Stomatitis, gingivitis. • Gastric conditions: Gastritis, peptic ulcer.	12	Hospital practice
12	• Gastroectomy. • Vagotomy & pyloroplasty. • Appendicitis.	12	Hospital practice
13	• Appendectomy. Intestinal conditions: • Enteritis. • Intestinal obstruction.	12	Hospital practice



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قسم الصيدلة



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
14	- Haemorrhoidectomy. - Anal fissure. - Fistula	12	Hospital practice
15	- Hemorrhaphy. Apply nursing process of liver, gallbladder & pancreas conditions: - Hepatitis. - Liver cirrhosis. - Cholecystitis. - Cholelithiasis. - Cholecystectomy. - Pancreatotomy.	12	Hospital practice
16	Apply nursing process of burn & poisoning conditions.	12	Hospital practice
Total hours		192	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves essay exam, objective exam and OSCE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (Medical surgical nursing sheet).	20%
2	Clinical Midterm exam.	20%
3	Clinical Final exam.	60%
Total		100%



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Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 3 rd week
2	Quizzes.	Every 4 th week
3	Theory Midterm exam.	8 th week
4	Case studies.	Every week
5	Midterm lab. exam.	8 th week
6	Clinical Midterm exam.	9 th week
7	Final Clinical exam.	After 16 th week
8	Final lab. Exam.	After 16 th week
9	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Brunner & Suddath's Textbook of Medical-Surgical Nursing, 14th edition, 2017.
2. Medical-Surgical Nursing: Assessment and Management of Clinical. Problems, Lewis, Bucher, Heitkemper, Harding, 10th edition, 2016.

Websites:

- <https://www.amsn.org/>
- <https://www.nursingexplorer.com/careers/medical-surgical-nurse>
- <https://nursing.jni.com/specialty/medical-surgical-nurse>

Notes:

Students will be provided with handouts from course' teacher.

Facilities Required:

1. Lab top.
2. Data show.
3. Classroom.
4. Educational hospital.



المعهد الجامعي
للعلوم الطبية



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Medicine I

Basic Information:

Name of Institute:

High Institute of Health Sciences,

Department offering the course:

Nursing department,

Code Number:

N2116a,

Credit hours:

2 credit hour's theory,

Academic year / Level:

2nd Year -1st Semester,

Course teaching staff:

Bachelor of general medicine or nursing,

Language of teaching:

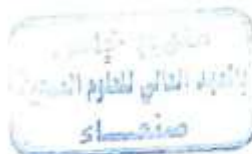
English Language,

Prepared by:

Dr. Abdulsalam Ahmed Alaslami,

Date of specification approval:

April 2019.





معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

In this course, students will be introduced to the definition, pathophysiology, etiology, clinical manifestations, complications and treatment of common respiratory, cardio vascular and gastro intestinal systems disorders in order to deal with them when they provide care.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1 Explain the pathophysiology, etiology, clinical manifestations and complications of common respiratory, cardio vascular and gastro intestinal systems disorders.
- a.2 Mention the treatment of common respiratory, cardio vascular and gastro intestinal systems disorders.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Differentiate between the main clinical manifestations of common respiratory, cardio vascular and gastro intestinal systems disorders.
- b.2. Predict the complications of respiratory, cardio vascular and gastro intestinal systems disorders.

➤ Strategies of Teaching and Learning:

1. Case study.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

Not Applicable.

D. Transferable skills:

- d.1. Present of treatment schedule of respiratory, cardio vascular and gastro intestinal systems disorders.
- d.2. Communicate effectively with colleagues, health team workers, patients and their companions.
- d.3. Manage his/her time effectively.

➤ Strategies of teaching and learning:

1. Presentations.
2. Role play.

➤ Assessment & evaluation methods:

1. Presentations evaluation.
2. Role plays valuation.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Adaptation and stress: - Hemostasis.	2	Interactive lecture
2	- Alteration in cellular function. - Definitions Terms of: Atrophy, Hypertrophy, Hyperplasia, Dysplasia and Metaplasia.	2	Interactive lecture Case study
3	- A stress and stressors. - Coping.	2	Presentation
4	Reaction of body to diseases: - Inflammation. - Hypersensitivity and auto-immune reactions.	2	Interactive lecture
5	Fluid and electrolytes imbalance.	2	Interactive lecture Case study
Definition, pathophysiology, etiology, clinical manifestations, management and complications of the following:			
6	Respiratory system disorders: - Bronchitis. - Bronchial asthma.	2	Interactive lecture
7	- Pneumonias. - Emphysema.	2	Presentation
8	Midterm exam.	2	
9	Cardio vascular system disorders: - Hypertension. - Arteriosclerosis.	2	Interactive lecture
10	Ischemic heart disease: Acute MI Angina Pectoris.	2	Presentation
11	Rheumatic heart Disease.	2	Interactive lecture
12	- Congestive heart failure (CHF). - Pulmonary Embolism.	2	Interactive lecture
13	Gastro intestinal system disorders Mouth conditions: Stomatitis gingivitis.	2	Presentation
14	Gastric conditions: - Gastritis. - Peptic ulcer.	2	Interactive lecture
15	Intestinal conditions: - Enteritis. Liver, gallbladder and pancreas conditions: - Hepatitis. - Liver cirrhosis.	2	Interactive lecture



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No.	Subject	Contact hours	Learning & teaching strategies
16	- Cholecystitis. - Poisoning	2	Presentation
	Total hours	32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	10%
2	Assignments.	10%
3	Mid-term exam.	20%
4	Final exam.	60 %
	Total	100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3rd week
2	Presentations (Groups).	Every 2 nd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

- Davidson's Principles and Practice of Medicine, Stuart H. Ralston et al, 23rd edition, 2018.
- A. Harrison's Principles of Internal Medicine, J. Larry Jameson et al, 20th edition, 2018.
- Current Medical Diagnosis and Treatment, Maxine A. Papadakis, 58th edition, 2019.

Websites:

- <https://medicinetoday.com.au/>
- <https://journals.lww.com/tmd-journal/pages/default.aspx>

Notes:

- Students will be provided with Notes in Medicine prepared by the course lecturer.

Facilities Required:

- Laptop.
- Data-show.
- White board or electronic board.
- Whiteboard marker pens in different colors.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Surgery I

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N2117a.

Credit hours:
2 credit hour's theory.

Academic year / Level:
2nd Year – 1st Semester.

Course teaching staff:
Bachelor of general medicine (Surgeon) or nursing.

Language of teaching:
English Language.

Prepared by:
Dr. Abdulsalam Ahmed Alaslami.

Date of specification approval:
April 2019.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019:

Professional Information:

Course aims:

In this course, students will be introduced to the etiology, clinical manifestations, surgical management and complications of common disorders of respiratory, cardio vascular and gastro intestinal systems in order to deal with them when they provide care.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss the etiology, clinical manifestations and complications of common surgical disorders of respiratory, cardio vascular and gastro intestinal systems.
- a.2. Mention the surgical management of common disorders of respiratory, cardio vascular and gastro intestinal systems.

➤ Strategies of Teaching and Learning:

1. Interactive lecture.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Differentiate between the clinical manifestations of common surgical disorders of respiratory, cardio vascular and gastro intestinal systems.
- b.2. Predict the main complications of common surgical disorders of respiratory, cardio vascular and gastro intestinal systems.

➤ Strategies of teaching and Learning:

1. Case study.
2. Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

Not Applicable.

D. Transferable skills:

- d.1. Communicate effectively with colleagues, health team workers, patients and their companions.
- d.2. Manage his/her time effectively.

➤ Strategies of teaching and learning:

1. Presentation.
2. Role play.

➤ Assessment & evaluation methods:

1. Presentation evaluation.
2. Roles play evaluation.



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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

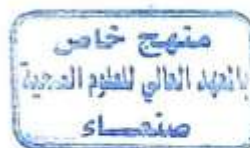
1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
Course Overview:			
1	- Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation.	2	Interactive lecture
Definition, etiology, clinical pictures, surgical management and complications of the following:			
2	Respiratory system: Haemothorax.	2	Interactive lecture
3	Pneumothorax.	2	Interactive lecture Presentation
4	Pleural effusion.	2	Interactive lecture
5	Thoracic Empyema.	2	Interactive lecture
6	Cardio vascular system: Valvular diseases.	2	Interactive lecture Presentation
7	Varicose veins & Aneurysm.	2	Interactive lecture
8	Midterm exam.	2	
Gastro intestinal system:			
9	Gastric Surgery: Gastroectomy, Vagotomy and pyloroplasty.	2	Interactive lecture Presentation
10	Appendicitis and appendectomy.	2	Interactive lecture
11	Intestinal obstruction.	2	Interactive lecture Presentation
12	Herniorrhaphy.	2	Interactive lecture
13	Haemorrhoidectomy.	2	Interactive lecture
14	- Anal fissure. - Fistula.	2	Interactive lecture Presentation
15	- Cholelithiasis and Cholecystectomy - Pancreatectomy.	2	Interactive lecture
16	Burns.	2	Interactive lecture
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

No.	Evaluation method	Percentage
1	Quizzes	10%
2	Assignments	10%
3	Midterm exam.	20%
4	Final exam.	60 %
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes	Every 3rd week
2	Presentations (Groups)	Every 2 nd week
3	Mid-term exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

1. Sabiston Textbook of Surgery, Courtney M. Townsend Jr. and R. Daniel Beauchamp, 19th Edition 2019.
2. Current Diagnosis & Treatment: Surgery, Gerard M. Doherty, 14th edition, 2015
3. Manipal Manual of Surgery, Anitha Shenoy and Rajgopal K. Shenoy, 4th edition 2014.

Websites:

- <https://www.britannica.com/science/surgery-medicine>
- <https://www.surgjournal.com/>
- <https://www.journals.elsevier.com/surgery>
- <https://www.surgervjournal.co.uk/>

Notes:

Students will be provided with Notes in surgery prepared by the course lecturer.

Facilities Required:

1. Data-show.
2. White board or electronic board.
3. Whiteboard marker pens in different colors.

Nutrition & Dietetic

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N2118.

Credit hours:

3 credit hours theory.

Academic year / Level:

2nd Year – 1st Semester.

Course teaching staff:

Bachelor or Master degree in nursing, public health or nutrition and dietetic.

Language of teaching:

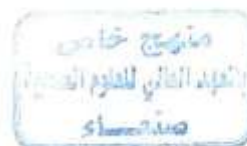
English language.

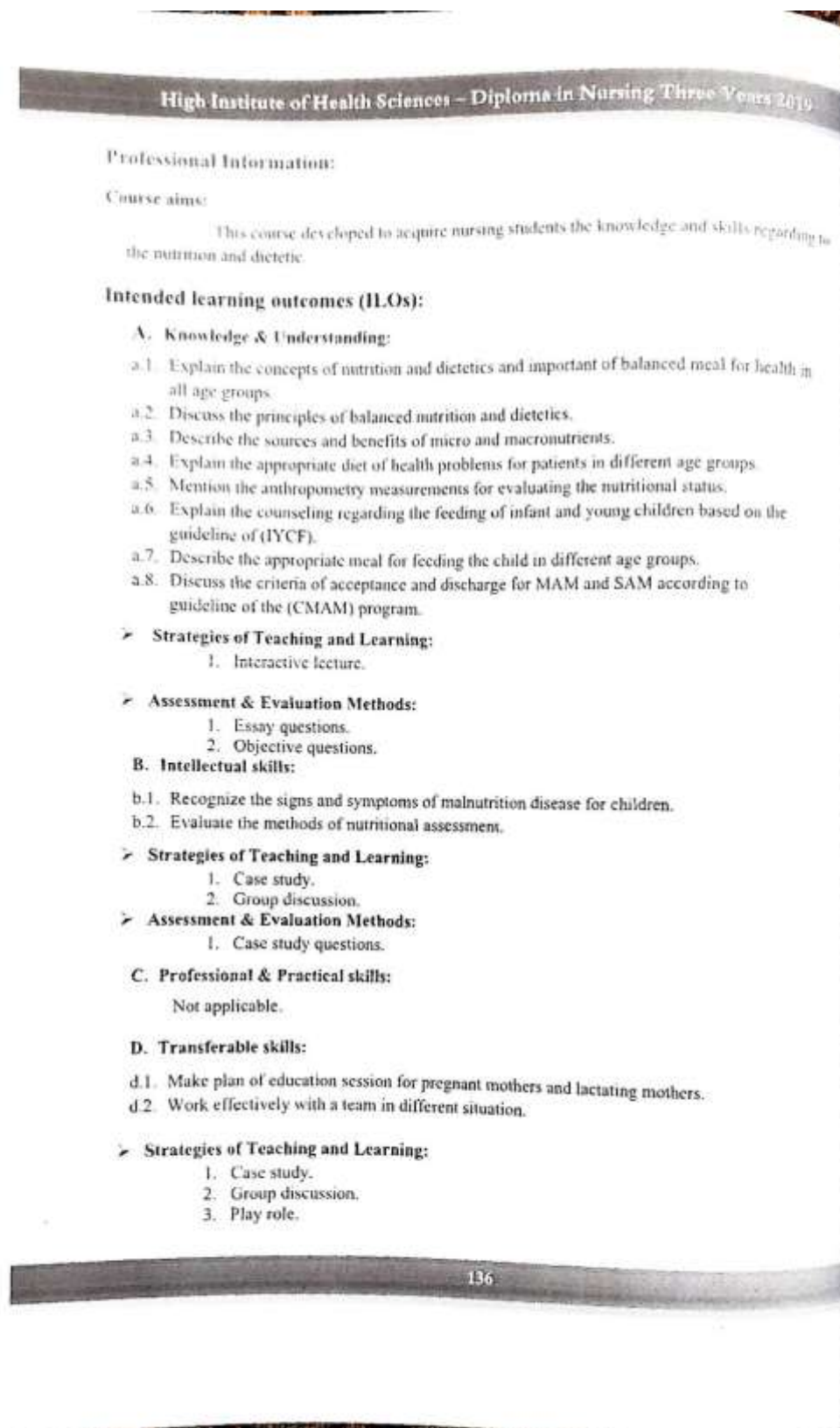
Prepared by:

Dr. Seham Ali Mohammed Othman.

Date of specification approval:

April 2019.





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4. Presentation.
- Assessment & Evaluation Methods:
1. Presentation assessment.
 2. Evaluation of play role.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Orientation: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation. Introduction: • Concept of food and nutrition. • Benefits of balanced nutrition for human. • Nutritional Hierarchy.	3	Interactive lecture
2	Macronutrients: 1. Carbohydrates. 2. Proteins. 3. Lipids and fats. 4. Water. Micronutrients: • Vitamins. - Minerals.	3	Interactive lecture
3	Nutrition of pregnant and lactating mothers: • Importance of nutrition for pregnant and lactating mothers. • Nutritional requirement for pregnant and lactating mothers. Counseling skills.	3	Interactive lecture Assignments
4	IYCF (Infant Young Children Feeding) program: • Exclusive breastfeeding. • Colostrum and its' important. • Benefits of breastfeeding for mother, baby and community.	3	Interactive lecture Group discussion Play role Case study
5	Difficulties or problems regarding the breastfeeding faced by mother and baby.	3	Interactive lecture Assignments
6	Complementary feeding.	3	Interactive lecture
7	CMAM program: • Recent classification for nutritional elements and their physiologic relationship with acute malnutrition (Type1 and 2).	3	Interactive lecture Group discussion. Play role Assignments

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No.	Subject	Contact hours	Learning & teaching strategies
	- Malnutrition diseases: definition, causes - Components of CMAM.		
	Midterm exam.	1	
8	- Community Management of Acute CMAM Malnutrition (Diagram). - Criteria for screening and referral from the community.	2	Interactive lecture, Play role Assignments
9	- Acceptance criteria in the program of TFC and OTP (SAM /MAM) program. - Assessing the nutritional status.	3	Interactive lecture Play role
10	- Criteria for passing the appetite test and appetite testing procedures. -Search about the medical complications in Acute Malnutrition.	3	Interactive lecture
11	Treatment procedures of SAM and MAM Follow-up procedures.	3	Interactive lecture
12	Training on the Cards, records and reports.	3	Interactive lecture
13	Training on the Cards, records and reports.	3	Interactive lecture
14	Introduction to the Dieties: - Definition of Diet therapy. - Principles of Diet therapy. - Factors inconsideration for planning of nutritional diet. Nutrition in case of digestive system diseases: - Constipation and diarrhea. - Gastric ulcer. - Duodenal ulcer.	3	Interactive lecture Group discussion. Assignments
15	Nutrition in case of diabetic & Nutrition in case of viral liver diseases.	3	Interactive lecture Assignments
16	Nutrition in case heart and blood vessels diseases Nutrition in case of cancers.	3	Interactive lecture Assignments
	Total hours	48	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Evaluation method	Percentage
1	Quizzes	10%
2	Assignments	10%
3	Midterm exam	20%
4	Final exam	60 %
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes	Every 3rd week
2	Presentations (Groups)	Every 2 nd week
3	Midterm exam	8 th week
4	Final exam	After 16 th week

Learning resources:

References:

1. وزارة الصحة، الدليل النظري في المعالجة المجتمعية لسوء التغذية الحاد (الوخيم والمتوسط) ٢٠١٩.
2. وزارة الصحة، الدليل العملي في المعالجة المجتمعية لسوء التغذية الحاد (الوخيم والمتوسط) ٢٠١٩.
3. BDA, Deitition, Nutritionist, Nutritional Therapist or Diet Expert? A comprehensive guide to roles and functions.2014 The British Dietetic Association.
4. Krause's Food &the Nutrition Care process-Saunders(2016). ISBN:9780323340755.copyright2017, Page numbers; 1152,14th edition.

Websites:

المركز العربي للتغذية متوفر في الموقع التالي:

- https://www.aenut.com/v/index.php?option=com_content&view=article&id=73&Itemid=71&lang=ar Accessed on 2-4-2019

المجلة العربية للغذاء والتغذية متوفرة في الموقع التالي:

- <https://www.aenut.com/v/index.php> Accessed on 2-4-2019
- [www.http://enicef.org](http://enicef.org)

Facilities Required:

1. Laptop.
2. Data show.
3. Different foods items.
4. Anthropometry measurements instruments as Weight and Height/length Scale, MUAC tape and Z- score chart.



High Institute of Health Sciences - Diploma in Nursing Three Years 2010

Clinical Pharmacology I

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N2119a.

Credit hours:
2 credit hours theory.

Academic year / Level:
2nd Year - 1st Semester.

Course teaching staff:
Bachelor of Pharmacy.

Language of teaching:
English.

Prepared by:
Dr. Mohammed Al-Moutawakel.

Date of specification approval:
April 2019.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

In this course, students will be provided with the basic knowledge of medicine, how to absorb the drug and distribute and metabolism in human body. Provide the student with the knowledge about therapeutic uses, side effect and contra-indication of drugs affecting on the respiratory system, cardiovascular system, gastro-intestinal tract, and liver.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss general principles of clinical Pharmacology.
- a.2. Define the drugs and dosage form.
- a.3. Identify action and indication of the drugs.
- a.4. Recognize the side effects of various drugs.
- a.5. Define the drugs affecting Respiratory system, Cardiovascular system, Gastro-intestinal tract, and liver.

➤ Strategies of Teaching And Learning:

1. Interactive lecture.

➤ Assessment & Evaluation Methods:

1. Essay questions.

B. Intellectual Skills:

- b.1. Discuss the main precaution to be taken for commune drugs.
- b.2. Evaluate the side effects of drugs.

➤ Strategies of Teaching and Learning:

1. Group dissection.

➤ Assessment & Evaluation Methods:

1. Evaluation group discussion.

C. Professional & Practical skills:

Not Applicable.

D. Transferable skills:

- d.1. Present scientific topics in seminar.

➤ Strategies of Teaching And Learning:

1. Presentation.
2. Role play.

➤ Assessment & Evaluation Methods:

1. Assessment of presentation.
2. Assessment of role play.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

I. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation.		
1	General principles of clinical Pharmacology: - Introduction. - Definitions. - Terminology. Drug development and evaluation: - Preclinical evaluation of drugs. - Clinical trials. - Monitoring of new drugs in clinical practice.	2	Interactive lecture
2	Fundamental of pharmacokinetics: Absorption, Distribution, Metabolism, and Elimination. Fundamental of Pharmacodynamics Pharmacotherapeutics.	2	Interactive lecture
3	Risk of pharmacotherapy: - Drug interaction. - Drug toxicity. - Drugs dosages calculation of different age groups.	2	Interactive lecture
4	Individual variability in pharmacotherapy: - Specific aspects of pharmacotherapy in pregnancy, newborn, children and elderly. - Importance of pharmacogenetics for rational pharmacotherapy, gene therapy.	2	Interactive lecture
5	Anti-Inflammatory drugs: - Corticosteroids drugs. - Anti-histamine drugs.	2	Interactive lecture
6	Selective toxicity: - Antibacterial drugs. - Antimicrobial drugs.	2	Interactive lecture
7	- Anti-Fungal drugs. - Anti-Malaria drugs.	2	Interactive lecture
8	Midterm exam.	2	
9	Respiratory system: - Drugs for allergic rhinitis. - Drugs for asthma. - Drugs for Chronic Obstructive Pulmonary Disease (COPD).	2	Interactive lecture
10	- Drugs for sneezing and coughing. - Drugs for pneumonias. - Drugs for tuberculosis.	2	Interactive lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
11	Cardiovascular system (C.V.S): • Drugs for Hypertension, • Drugs for Angina pectoris, • Drugs for Myocardial infarction, • Drugs for Ischemia heart disease.	2	Interactive lecture
12	• Drugs for Congestive heart failure, • Drugs for Cardiac dysrhythmic agents.	2	Interactive lecture
13	• Anticoagulants fibrinolytic drugs, Antiplatelet drugs. • Anti-hyperlipidemic drugs.	2	Interactive lecture
14	Gastro-intestinal tract (G.I.T): • Drugs for Peptic ulcer, • Drugs for Gastro-esophageal Reflux Disease (GERD).	2	Interactive lecture
15	• Drugs for Nausea and Vomiting, • Drugs for Constipation & laxatives.	2	Interactive lecture
16	Liver diseases: • Drugs for Hepatitis, • Drugs for Liver cirrhosis, • Drugs for Jaundice.	2	Interactive lecture
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	10%
2	Assignments.	10%
3	Midterm exam.	20%
4	Final exam.	60 %
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 4 th week
2	Presentations (Groups).	Every 3 rd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Learning resources:

References:

1. Katzung H, Masters S, & Trevor A (2012). Basic & Clinical Pharmacology (12th Edition). Lange, McGraw-Hill.
2. Whalen K. & et al. (2016). Lippincott's Pharmacology, 6th edition. wolters kluwer, Philadelphia.
3. Brayfield A. & et al. (2014). Martindale The Complete Drug Referencese. 38 Edition. Pharmacology. Pharmaceutical press.
4. BMJ Group & Royal Pharmaceutical. BNF 73 March –September 2017. BMA.

Notes:

Pharmacology notes, by Mohamed dahshan.

Facilities Required:

1. White board & Markers.
2. Lab-top.
3. Data - show machine.
4. New editions of reference books.

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Medical Specialties in Nursing

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N3120.

Credit hours:

2 credit hour's theory.

Academic year / Level:

2nd Year -1st Semester.

Course teaching staff:

Bachelor of Nursing.

Language of teaching:

English language.

Prepared by:

Dr. Gamilah Esmail Mohammed Al-Mutawakel.

Date of specification approval:

April 2019.





المعهد الجامعي
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course will provide nursing students with basic knowledge of ophthalmology, ENT and skin disorders.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Mention the common causes and risk factors of ophthalmic, ENT, and skin disorders.
- a.2. Enumerate the clinical pictures of the common ophthalmic, ENT, and skin diseases.
- a.3. Discuss the complications of the common ophthalmic, ENT, and skin diseases.
- a.4. Explain the nursing management for the common ophthalmic, ENT and skin diseases.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Analyze symptoms and signs of diseases to support decision in the care for patient with ophthalmic, ENT, and skin diseases.
- b.2. Predict the complication of the common ophthalmic, ENT, and skin diseases.

➤ Strategies of Teaching and Learning:

1. Case study.
2. Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.
2. Group discussion evaluation.

C. Professional skills:

Not applicable.

D. Transferable skills:

- d.1. Establish effective channels of communication with his college.
- d.2. Collaborate with other health team members in providing health care & teaching.

➤ Strategies of Teaching And Learning:

1. Role play.
2. Presentation.

➤ Assessment & Evaluation Methods:

1. Presentation evaluation.
2. Role plays assessment.



المعهد الجامعي
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course overview - Intended learning outcomes of the course, - Course hour, - Course outline, - Course evaluation.	2	Interactive lecture
Definition, etiology, clinical picture, diagnosis, complications, prevention, treatment and nursing care of patient with the following:			
2	Disorder of the eye: - Infection of the eye, - Dry eye, - Lacrimal gland obstruction,	2	Interactive lecture
3	- Conjunctivitis, - Trachoma,	2	Interactive lecture
4	- Cataract, - Glaucoma,	2	Interactive lecture Group discussion
5	- Corneal ulcer, - Detachment of retina,	2	Interactive lecture
6	- Short sight (Myopia), - Long sight (hyperopia),	2	Interactive lecture
7	Disorder of the nose: - Foreign body in the nose, - Sinusitis,	2	Interactive lecture Presentation
8	Midterm Exam	2	
9	- Nasal polyp, - Deviation of nasal septum, - Epistaxis,	2	Interactive lecture Role play
10	Disorder of the ear: - Foreign body in the ear, - Otitis externa, - Otitis media,	2	Interactive lecture
11	- Hearing lost, - Mastoiditis, - Ear drum perforation,	2	Interactive lecture
12	Disorder of the throat: - Tonsillitis, - Adenoiditis,	2	Interactive lecture
13	Disorder of the Skin diseases: Principal nursing care of patient with skin diseases,	2	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
14	- Ringworm. - Tinea. - Vitiligo.	2	Interactive lecture
15	- Herpes zoster simplex. - Varicella (chickenpox).	2	Interactive lecture
16	- Eczema (dermatitis). - Allergy (skin).	2	Interactive lecture
Total hours		32	

Evaluation of course

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Presentations.	10%
2	Quizzes.	10%
3	Midterm exam.	20%
4	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations (Groups).	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

1. Hinkle J, Cheever K; Brunner & Studdarth's Textbook of Medical - Surgical Nursing, 2017, Wolters Kluer.
2. Swain s. A Concise Textbook of Ear, Nose and Throat. 2018. Aitbs publishers, India.
3. Lewis L, Marsden J & Robertson G: The nature scope and value of ophthalmic nursing. 2016, royal college nursing.
4. Ophthalmic Nursing services; 2018. Royal college of nursing and NHS England.
5. ENT and Maxillofacial nursing. 2018 Royal College of nursing.
6. Habif T, Dinulos J, Kathryn A. Zug: Skin Disease: Diagnosis and Treatment 4th Edition, 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Websites:

- <https://www.amazon.com/Pharmacology-Textbook-Volume-1-2/dp/1451440001>
- <https://www.alltopicalskin.com/>
- <http://www.find.com/search?q=3+and+Lec+1+20+M+and+1+20+Robertson+L+2+2A+The+nature+scope+and+value+of+ophthalmic+nursing+20+2016+20+total+college+nursing&src=IE+SearchBox&FORM=IESSRC>
- <http://www.bing.com/search?q=4+20Ophthalmic+Nursing+services+20+2018+total+college+of+nursing+and+NHS+England+&src=IE+SearchBox&FORM=IESR>
- <http://www.bing.com/search?q=10+20https+3A+2F+2Fwww+Ren+Org+uk+2Flibr+2Fsubject+guides+2Fent-and-maxillofacial+nursing&src=IE+SearchBox&FORM=IESSRC>
- <https://www.amazon.com/Skin-Disease-Diagnosis-Thomas-High/dp/1321442226>
- <http://www.bing.com/search?q=3+20https+3A+2F+2Fwww+Amazon+com+3A+skin+disease+Nursing&src=IE+SearchBox&FORM=IESSRC>

Notes:

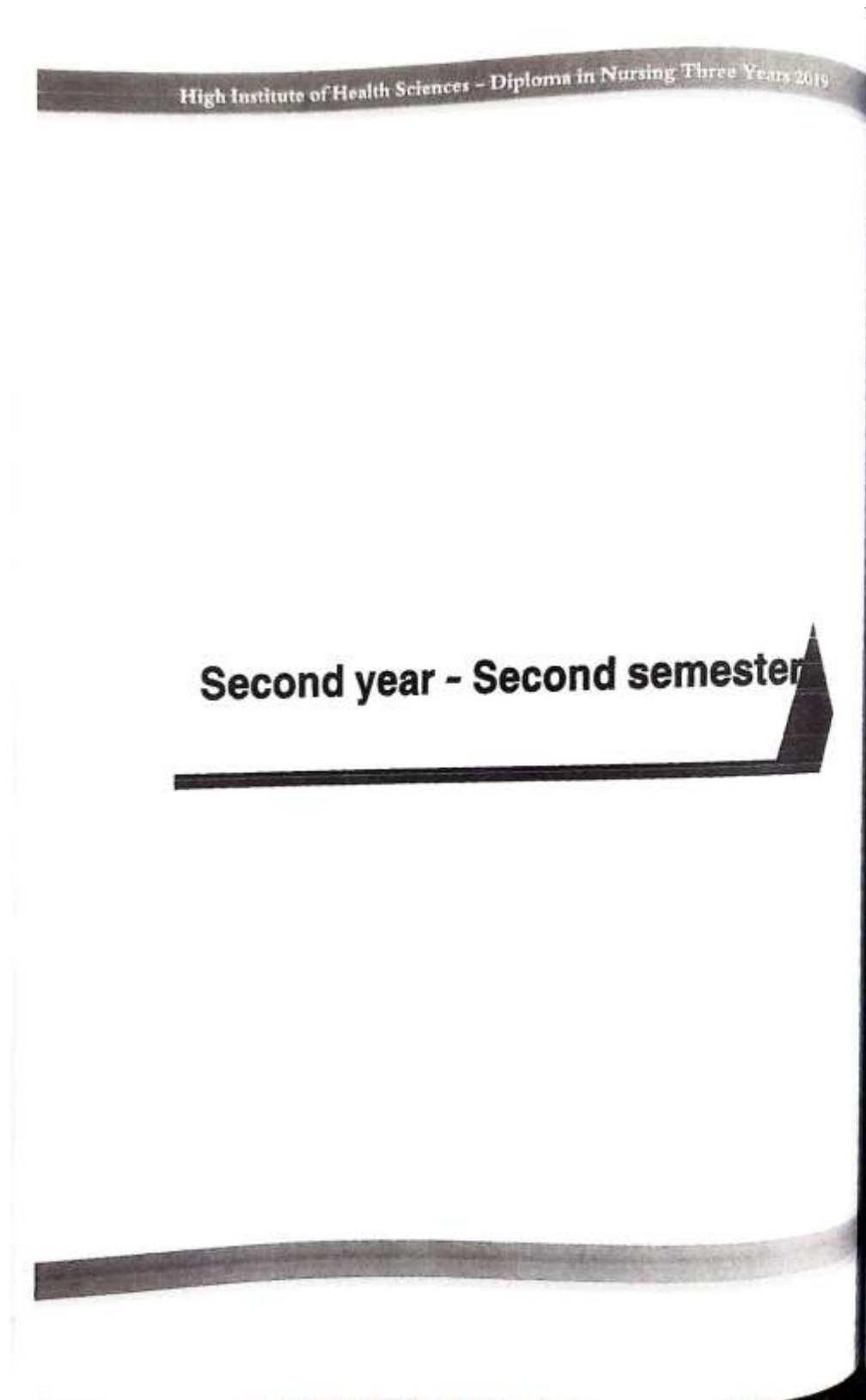
- Lecturer hand out.

Facilities Required:

1. Computers and data show.
2. Video Film.

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مخرج خاص
المعهد العالي للعلوم الصحية
صنعاء





معهد الجامعة
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Medical surgical nursing II

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N2215b.

Credit hours:
3 credit hours theory.
1 credit hour practical lab.
2 credit hours clinical.

Academic year / Level:
2nd Year – 2nd Semester.

Course teaching staff:
Bachelor of nursing.

Prepared by:
Dr. Ibtesam Farca Ali Al-Omairi.

Language of teaching:
English Language.

Date of specification approval:
April 2019.

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معهد الجامعة
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2014

Professional Information:

Course aims:

Aim of this course is to provide students with Knowledge & skills of nursing process for urinary tract, muscle skeletal, joint bone and connective tissue, nervous system, endocrine system disorders, blood disorders & oncology.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Identify the specific nursing process for medical and surgical cases.
- a.2. Mention the plan according to different cases.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Select the appropriate Nursing process for medical & surgical cases.
- b.2. Analyze assessment findings for different cases.
- b.3. Predict the outcomes of nursing process.

➤ Strategies of Teaching and Learning:

1. Group discussion.
2. Case study.

➤ Assessment & Evaluation Methods:

1. Evaluation of case study.

C. Professional & Practical skills:

- c.1. Prepare patients for kidney surgery & hemodialysis.
- c.2. Assist the patients with muscle skeletal disorders.
- c.3. Apply the nursing process for patients with nervous system disorders.
- c.4. Perform the nursing process for patients with endocrine system disorders.
- c.5. Provide nursing process & health education for patients with blood disorders.
- c.6. Evaluate the implemented nursing process for medical surgical patients.

➤ Strategies of Teaching and Learning:

1. Clinical practice.

➤ Assessment & Evaluation Methods:

1. OSCE.

D. Transferable skills:

- d.1. Write the nursing process for medical surgical cases.
- d.2. Communicate effectively with patient & family.

➤ Strategies of teaching and learning:

1. Case study.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

2. Role play.
- Assessment & evaluation methods:
1. Evaluation of case study.
 2. Evaluation of role play.

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course - Course hours - Course outlines - Course evaluation	3	Interactive lecture
	Nursing assessment, nursing diagnosis, nursing planning, nursing intervention & evaluation of the following		
2	Nursing process of urinary tract disorders: - Pyelonephritis. - Nephritic syndrome. - Cystitis	3	Interactive lecture Presentation
	- Urolithiasis. - Kidney transplantation surgery.		
3	- Renal failure. - Hemodialysis (Prepare & nursing care pre & post hemodialysis). Nursing process of joint, bone and connective tissue disorders: - Rheumatic arthritis.	3	Interactive lecture Group discussion
4	- Gout. - Lupus erythematosus (SLE). Nursing process of muscle skeletal disorders: - Sprain, strain.	3	Interactive lecture Presentation
5	- Dislocation. - Fractures. - Osteomyelitis.	3	Interactive lecture Group discussion
6	Nursing process of nervous system disorders: - Meningitis. - Stroke: Ischemic cerebrovascular accident (ICVA). - Hemorrhagic Cerebrovascular.	3	Interactive lecture Presentation
7	- Accident (H. C.V.A). - Epilepsy.	3	Interactive lecture
8	Midterm exam.	3	
9	- Parkinson diseases. - Head injury. - Spinal injury.	3	Interactive lecture Group discussion
10	Nursing process of endocrine system disorders: Dwarfism.	3	Interactive lecture Group discussion

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No.	Subject	Contact hours	Learning & teaching strategies
	- Diabetes insipidus. - Diabetes Mellitus (D.M)		
11	- Thyroid disorders. - Cushing's syndrome. - Addison disease.	3	Interactive lecture Presentation
12	- Thyroid surgery. - Parathyroidectomy. - Adrenalectomy. - Pancreatectomy.	3	Interactive lecture Group discussion
13	Nursing process of blood disorders: - Anemia. - Sickle cell anemia. - Thrombocytopenia.	3	Interactive lecture Presentation
14	- Hemophilia. - Leukemia. - Thalassemia.	3	Interactive lecture Group discussion
15	Nursing process of oncology: - Mastitis, abscess. - Breast tumors. Nursing process of prostate Conditions: - Benign prostate hyperplasia. - Cancer of prostate gland. - Esophagus cancer.	3	Interactive lecture Presentation
16	Brief of the geriatric body systems changes & health promotion activities: - Cardio vascular. - Respiratory. - Gastrointestinal. - Genitourinary. - Integumentary. - Nutritional health. - Musculoskeletal. - Nervous. - Sensory systems. - Sensory losses versus sensory. - Deprivation. - Vision. - Hearing. - Taste & smell.	3	Interactive lecture Group discussion
Total hours		48	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

2. Practical subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Bladder irrigation.	2	Nursing lab.
2	Assisting with peritoneal dialysis care.	2	Nursing lab.
3	Assisting with hemodialysis care.	2	Nursing lab.
4	Sprain & dislocation care.	2	Nursing lab.
5	Skeletal traction.	2	Nursing lab.
6	Fracture first aid.	2	Nursing lab.
7	Splint application.	2	Nursing lab.
8	Midterm exam.	2	Nursing lab.
9	Assisting with cast application & removal.	2	Nursing lab.
10	Elastic bandages, application & removal.	2	Nursing lab.
11	Unconscious patients care.	2	Nursing lab.
12	Glasgow Coma Scale assessment.	2	Nursing lab.
13	Assisting with lumbar puncture. Assisting with bone marrow aspiration and culture.	2	Nursing lab.
14	Use of Infusion pump.	2	Nursing lab.
15	Use of Syringe pump.	2	Nursing lab.
16	Blood glucose test by glucometer.	2	Nursing lab.
Total hours		32	

3. Clinical Subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Orientation for different hospital departments.	6	Hospital practice
Apply following skills according to practical manual			
2	Apply nursing process of urinary tract disorders: • Pyelonephritis. • Nephritic syndrome. • Cystitis.	6	Hospital practice
3	• Urolithiasis. • Kidney transplantation surgery.	6	Hospital practice
4	• Renal failure. • Hemodialysis (Prepare & nursing care pre & post hemodialysis). • Peritoneal dialysis. Apply Nursing process of joint, bone and connective tissue disorders: • Rheumatic Arthritis.	6	Hospital practice
5	• Gout.	6	Hospital practice

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بالمعهد العالي للعلوم الصحية
صنعاء

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

N.	Subject	Contact hours	Lab. Hospital, field
	Lupus erythematosus (SLE).		
	Apply nursing process of muscle skeletal disorders:		
6	- Sprain, strain. - Dislocation. - Fractures. - Osteomyelitis.	6	Hospital practice
7	Apply nursing process of nervous system disorders: - Meningitis. - Stroke: Ischemic cerebrovascular accident (ICVA). - Hemorrhagic Cerebrovascular.	6	Hospital practice
8	- Accident (H. C. V. A). - Epilepsy.	6	Hospital practice
9	Midterm exam.	6	Hospital practice
10	- Parkinson Diseases. - Head injury. - Spinal injury.	6	Hospital practice
11	Apply nursing process of endocrine system disorders: - Dwarfism. - Diabetes insipidus. - Diabetes Mellitus (D.M).	6	Hospital practice
12	- Thyroid disorders. - Cushing's syndrome. - Addison disease.	6	Hospital practice
13	- Thyroid surgery. - Parathyroidectomy. - Adrenalectomy. - Pancreatectomy.	6	Hospital practice
14	Apply nursing process of blood disorders: - Anemia. - Sickle cell anemia. - Thrombocytopenia.	6	Hospital practice
15	- Hemophilia. - Leukemia. - Thalassemia.	6	Hospital practice
16	Apply nursing process of oncology: - Mastitis, abscess. - Breast tumors. Apply nursing process of prostate Conditions: - Benign prostate hyperplasia. - Cancer of prostate gland. - Esophagus cancer.	6	Hospital practice
Total hours		96	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves essay exam, objective exam and OSCE. The assessment methods used are shown in the following table:

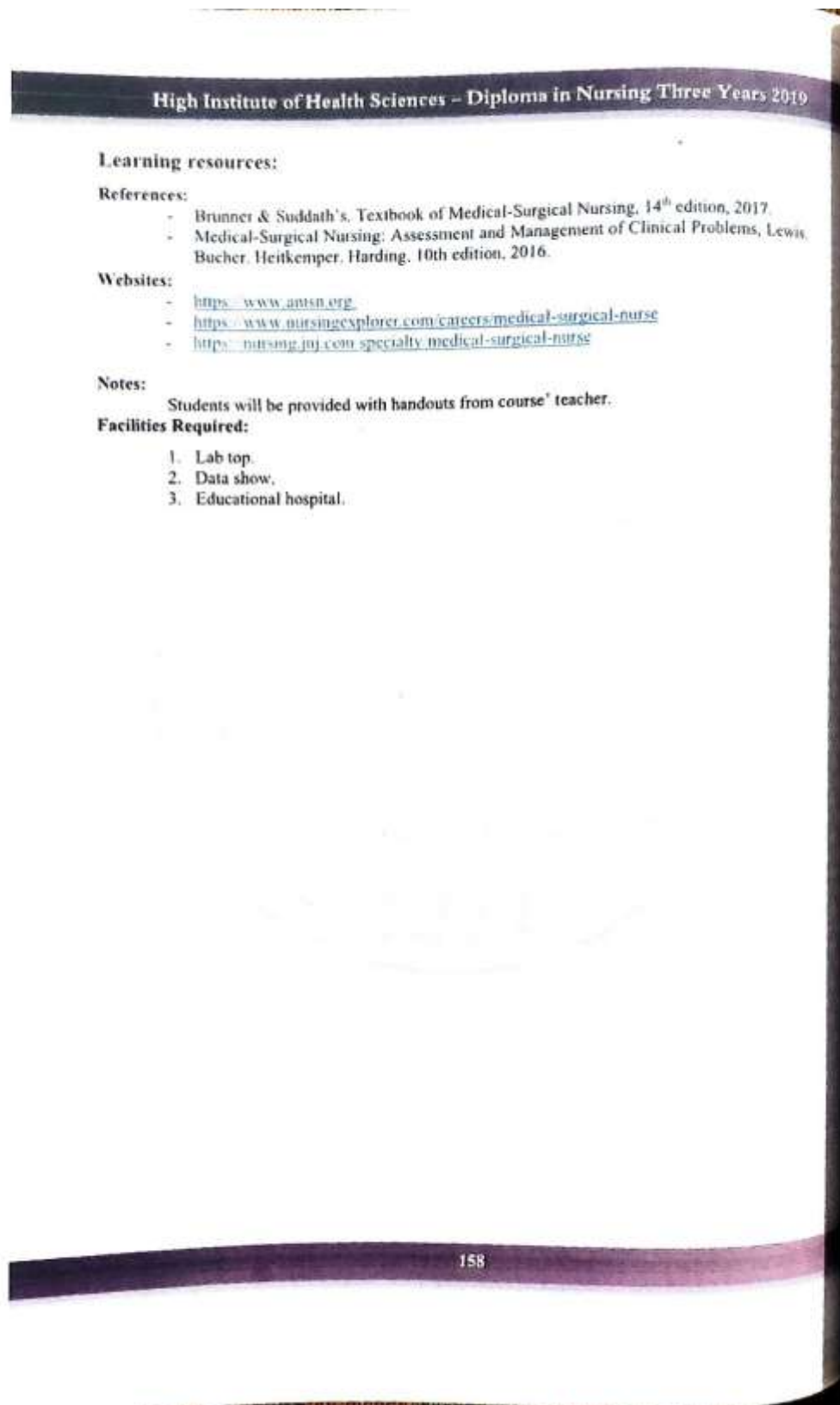
No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Theory final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (Medical surgical nursing sheet).	20%
2	Clinical Midterm exam.	20%
3	Clinical Final exam.	60%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Theory midterm exam.	8 th week
4	Case studies.	Every week
5	Lab. midterm exam.	8 th week
6	Clinical midterm exam.	9 th week
7	Final Lab. exam.	After 16 th week
8	Final clinical exam.	After 16 th week
9	Final theoretical exam.	After 16 th week



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Medicine II

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N2216b.

Credit hours:

2 credit hour's theory.

Academic year / Level:

2nd Year - 2nd Semester.

Course teaching staff:

Bachelor of general medicine or nursing.

Language of teaching:

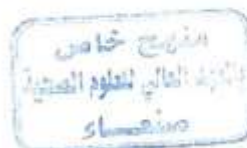
English Language.

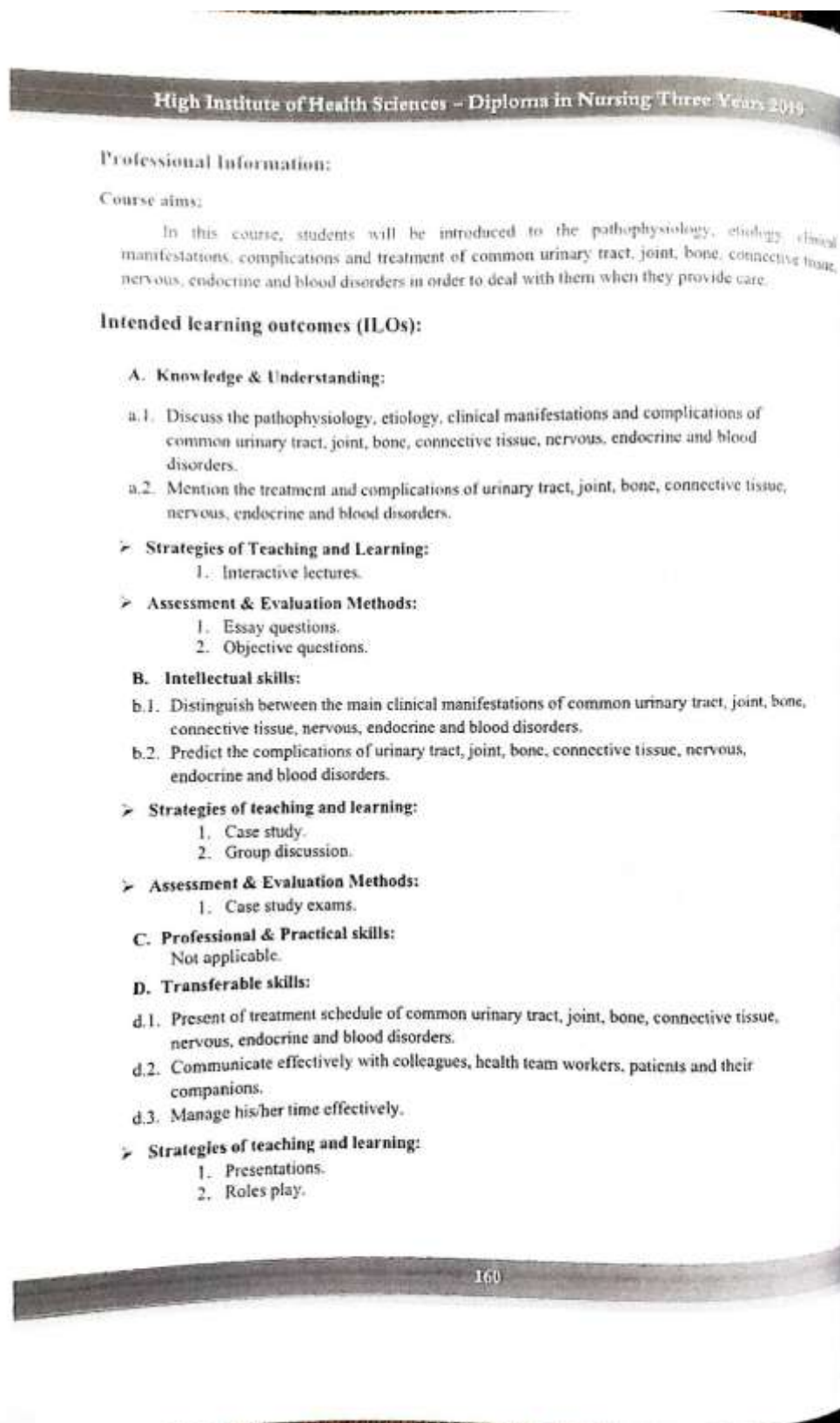
Prepared by:

Dr. Abdulsalam Ahmed Alaslami.

Date of specification approval:

April 2019.





High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Assessment & evaluation methods:

1. Presentations evaluation.
2. Roles play valuation.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation.	2	Interactive lecture
Definition, pathophysiology, etiology, clinical manifestations, management and complications of the following:			
2	Urinary tract disorders: • Pyelonephritis.	2	Interactive lecture
3	• Nephritic syndrome. • Cystitis.	2	Group discussion
4	• Renal failure.	2	Interactive lecture Presentation
5	Joint, bone and connective tissue disorders: • Rheumatic Arthritis. • Gout.	2	Interactive lecture
6	• Lupus erythematosus (SLE).	2	Interactive lecture
7	Nervous system disorders: • Meningitis. • Stroke: Ischemic cerebrovascular accident (ICVA).	2	Group discussion
8	Midterm exam.	2	
9	• Epilepsy. • Parkinson diseases.	2	Interactive lecture Presentation
10	Endocrine system disorders: • Dwarfism. • Diabetes insipidus.	2	Interactive lecture
11	• Diabetes Mellitus (D.M).	2	Presentation
12	• Thyroid disorders. • Cushing's syndrome.	2	Group discussion
13	• Addison disease.	2	Interactive lecture
14	Blood disorders: • Anemia.	2	Presentation
15	• Sickle cell anemia. • Thrombocytopenia. • Hemophilia.	2	Interactive lecture
16	• Leukemia. • Thalassemia.	2	Group discussion
Total hours		32	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	10%
2	Assignments.	10%
3	Midterm exam.	20%
4	Final exam.	60 %
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 4 th week
2	Presentations (Groups).	Every 3 rd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

1. Davidson's Principles and Practice of Medicine, Stuart H. Ralston et al, 23 editions, 2018.
2. Harrison's Principles of Internal Medicine, J. Larry Jameson et al, 20th Edition, 2018.
3. Current Medical Diagnosis and Treatment, Maxine A. Papadakis, 58th Edition, 2019.

Websites:

- <https://medicinetoday.com.gu/>
- <https://journals.lww.com/md-journal/pages/default.aspx>

Notes:

Students will be provided with Notes in Medicine prepared by the course lecturer.

Facilities Required:

1. Laptop.
2. Data-show.
3. White board or electronic board.
4. Whiteboard marker pens in different colors.



المعهد الجامعي
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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Surgery II

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N2217b.

Credit hours:
2 credit hour's theory.

Academic year / Level:
2nd Year – 2nd Semester.

Course teaching staff:
Bachelor of general Medicine (Surgeon) or nursing.

Language of teaching:
English Language.

Prepared by:
Dr. Abdulsalam Ahmed Alaslami.

Date of specification approval:
April 2019.

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High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

In this course, students will be introduced to the etiology, clinical manifestations, surgical management and complications of common surgical disorders of urinary tract, muscle skeletal, nervous, and endocrine and oncology in order to deal with them when they provide care.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss the etiology, clinical manifestations and complications of common surgical disorders of urinary tract, muscle skeletal, nervous, and endocrine and oncology.
- a.2. Mention the surgical management of common disorders of urinary tract, muscle skeletal, nervous, and endocrine and oncology.

➤ Strategies of Teaching and Learning:

1. Interactive lecture.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Differentiate between the clinical manifestations of common surgical disorders of urinary tract, muscle skeletal, nervous, and endocrine and oncology.
- b.2. Predict the main complications of common surgical disorders of urinary tract, muscle skeletal, nervous, and endocrine and oncology.

➤ Strategies of teaching and Learning:

1. Case study.
2. Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Communicate effectively with colleagues, health team workers, patients and their companions.
- d.2. Manage his/her time effectively.

➤ Strategies of teaching and learning:

1. Presentation.
2. Role play.

➤ Assessment & evaluation methods:

1. Presentation evaluation.
2. Roles play evaluation.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation.	2	Interactive lecture
	Definition, pathophysiology, etiology, clinical manifestations, surgical management and complications of the following:		
2	Urinary tract Disorders: • Urolithiasis.	2	Interactive lecture
3	• Kidney transplantation surgery.	2	Interactive lecture Presentation
4	Muscle skeletal disorders: • Sprain. • Dislocation.	2	Interactive lecture
5	• Fractures.	2	Interactive lecture Presentation
6	• Osteomyelitis.	2	Interactive lecture
7	Nervous system disorder: • Hemorrhagic Cerebrovascular Accident (H. C.V.A).	2	Interactive lecture
8	Midterm exam.	2	
9	• Head injury. • Spinal injury.	2	Interactive lecture Presentation
10	Endocrine system: • Thyroid surgery. • Parathyroidectomy.	2	Interactive lecture
11	• Adrenalectomy. • Pancreatectomy.	2	Interactive lecture Presentation
12	Oncology: Tumor: • Benign. • Malignant.	2	Interactive lecture
13	Breast Conditions: • Self-breast exam. • Mastitis, abscess.	2	Interactive lecture Presentation
14	• Breast tumors.	2	Interactive lecture
15	Prostate Conditions: • Benign prostate hyperplasia. • Cancer of prostate gland.	2	Interactive lecture Presentation
16	Esophagus cancer.	2	Interactive lecture
	Total hours	32	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	10%
2	Assignments.	10%
3	Midterm exam.	20%
4	Final exam.	60 %
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Presentations (Groups).	Every 3 rd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

1. Sabiston Textbook of Surgery, Courtney M. Townsend Jr. and R. Daniel Beauchamp, 19th Edition 2019.
2. Current Diagnosis & Treatment: Surgery, Gerard M. Doherty, 14th edition, 2015
3. Manipal Manual of Surgery, Anitha Shenoy and Rajgopal K. Shenoy, 4th edition 2014.

Websites:

- <https://www.britannica.com/science/surgery-medicine>
- <https://www.surgjournal.com/>
- <https://www.journals.elsevier.com/surgery>
- <https://www.surgervjournal.co.uk/>

Notes:

Students will be provided with Notes in surgery prepared by the course lecturer.

Facilities Required:

1. Data-show.
2. White board or electronic board.
3. Whiteboard marker pens in different colors.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Critical Care Nursing

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N2221.

Credit hours:
2 credit hours theory,
1 credit hour practical lab,
2 credit hours clinical.

Academic year / Level:
2nd Year – 2nd Semester.

Course teaching staff:
Master / Bachelor of nursing.

Language of teaching:
English language.

Prepared by:
Dr. Fawz M. Abo-Gaith BScN, MSc., PhD.

Date of specification approval:
April 2019.

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معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course is designed to provide nursing students with the skills required to care competently and safely for critically ill patient. It focuses on having the students expand their knowledge base and master critical care nursing psychomotor skills associated with assessment and provision of comprehensive nursing care for patient with acute life-threatening conditions and attitudes through reflection in and on action in clinical settings.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Identify the common needs /problems of critically ill patients and their families.
- a.2. Identify the most commonly used nursing diagnosis for critically ill patients.
- a.3. Describe all relevant information regarding invasive and non-invasive devices and machines frequently used in critical care units.

➤ Strategies of Teaching and Learning:

1. Interactive Lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Interpret results of laboratory findings & diagnostic procedures.
- b.2. Select the appropriate nursing diagnosis for each critically patient according to priority.
- b.3. Use problem solving and critical thinking skills in planning patient care.

➤ Strategies of Teaching And Learning:

1. Group discussion.
2. Case study.

➤ Assessment & Evaluation Methods:

1. Group discussion evaluation.
2. Case study questions.

C. Professional & Practical skills:

- c.3. Demonstrate assessment of the critically ill patient effectively.
- c.4. Perform basic and specific nursing skills following the steps of the guidelines. including cardiopulmonary resuscitation for the different age group.
- c.5. Collect laboratory specimens and assist patients undergoing diagnostic procedures.
- c.6. Assist physician with insertion of invasive devices such as endotracheal tube & tracheostomy tube, chest tube, arterial catheter, central venous catheter.

➤ Strategies of Teaching and Learning:

1. Clinical Practice.

➤ Assessment & Evaluation Methods:

1. OSCE.

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D. Transferable skills:

- d.1. Communicate effectively with patients, families and health care team.
- d.2. Present relevant health teaching and emotional care to patients and their families.
- d.3. Report essential data related to patients and nursing intervention.

➤ Strategies of Teaching and Learning:

1. Role play.
2. Scientific writing for reporting.

➤ Assessment & Evaluation Methods:

1. Evaluation of role play.
2. Report evaluation.

مناهج خاص
المعهد العالي للعلوم الصحية
قسم الصيدلة

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Principles and concepts of ICUs: - Patients' problems in ICUs: - Nutrition. - Pain. - Sleep deprivation. - Stress. - Communication. - Patients' transportation.	2	Interactive lectures
2	Infection control: - Aseptic Technique. - Personal Protective Equipment (PPE) for routine patient care. - Equipment precautions: - Ventilator circuits. - Endo-tracheal suction catheters. - Endo-tracheal tubes. - Ambu-bags. - Oxygen delivery devices. - Suction and drainage bottles. - Reprocessing of instruments/ sterile services. - Environmental cleaning. - Proper sharps and waste disposal.	2	Interactive lectures
3	Hemodynamics monitoring: - Central Venous Pressure. - Arterial Line Pressure.	2	Interactive lectures
4	Principles of fluid and electrolyte therapy.	2	Interactive lectures



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No.	Subject	Contact hours	Learning & teaching strategies
	Nursing care of patients with intravenous rehydration therapy.		
5	Nursing process for patient with: - Oxygenation - Airways (Endo-Tracheal Tube and Tracheostomy Tube).	2	Interactive lectures
6	Arterial Blood Gases: - Taking a blood sample. - Interpret the results.	2	Interactive lectures - case study
7	Nursing process for patients on mechanical ventilation.	2	Interactive lectures
8	Midterm exam.	2	
9	Shock: - Definition, pathophysiology, causes, types. - Nursing process for patients with shock.		Interactive lectures
10	Cardiovascular system: Nursing process for patients with: - Pacemakers. - Thrombolytic therapy. - Percutaneous Transluminal Coronary Angioplasty (PTCA). - Post-open-heart surgery.	2	Interactive lectures
11	Cardiopulmonary Resuscitation (Adults and pediatrics).	2	Interactive lectures
12	Coma - Definition, causes, Glasgow coma scale. - Nursing process for unconscious patient and increase intracranial pressure.	2	Interactive lectures
Nursing process for patient with:			
13	Gastrointestinal Tract disorders: - Acute upper and lower GI bleeding. - Acute Pancreatitis. - Intestinal obstruction. - Acute liver failure.	2	Interactive lectures
14	Diabetic Ketoacidosis.	2	Interactive lectures
15	Renal system disorders: - Acute Renal failure. - Dialysis. - Fluid and electrolyte imbalance.	2	Interactive lectures
16	End-life care.	2	Interactive lectures
Total hours		32	

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2. Practical subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Bag-Mask Manual Ventilation Oropharyngeal Airway Insertion and Care. Central Arterial line assist with, removal, care and Administration of IV Infusions into the Central Venous Line by the Application of Infusion Devices.	2	Nursing lab.
2	Intubation, Tracheostomy tube care & Suctioning.	2	Nursing lab.
3	Mechanical ventilation.	2	Nursing lab.
4	Basic Life Support (BLS): Adult BLS Sequence: Adult CPR: One Rescuer. Adult CPR: Two Rescuers.	2	Nursing lab.
5	Pediatric (Children and Infants) BLS Sequence, Pediatric CPR (Child and Infant): One Rescuer. Pediatric CPR (Child and Infant): Two Rescuers. Advance life support.	2	Nursing lab.
6	Initiating Cardiac Monitoring.	2	Nursing lab.
7	Taking Arterial blood gases.	2	Nursing lab.
8	Midterm exam.	2	Nursing lab.
9	Total parenteral nutrition TPN.	2	Nursing lab.
10	Assist with D/C shock. Preparing and Assisting with Defibrillation. Preparing and Assisting with Cardio version.	2	Nursing lab.
11	Obstructed Airway (Choking) Management • Conscious Adult FBAO (Choking) Sequence. • Heimlich maneuver (Standing). • Unconscious Adult FBAO (Choking) Sequence.	2	Nursing lab.
12	Conscious Child FBAO (Choking) Sequence-Children and Infants. Unconscious Child FBAO (Choking) Sequence -Children and Infants.	2	Nursing lab.
13	Central venous catheter care.	2	Nursing lab.
14	Thrombolytic therapy.	2	Nursing lab.
15	Crash cart preparation.	2	Nursing lab.
16	Post mortem care.	2	Nursing lab.
Total hours		32	

مكتبة خاص
المعهد العالي للعلوم الصحية
صنعاء

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

3. Training Subjects:

N.	Subject	Contact hours	Lab. Hospital, field
Apply following skills according to practical manual			
1	Assessment of patients on admission.	6	Hospital
2	Patient's transportations.	6	Hospital
3	Infection control precautions: • Patients care. • Equipment and supplies. • Environment.	6	Hospital
4	Central venous line assists with insertion, care and removal.	6	Hospital
5	Arterial line insertion, care and removal.	6	Hospital
6	Endotracheal tube assists with insertion, care and removal.	6	Hospital
7	Tracheostomy tube assists with insertion, care and removal.	6	Hospital
8	Chest tube assists with insertion, care and removal.	6	Hospital
9	Midterm exam.	6	
10	Nasogastric tube insertion, care and removal. Gastrostomy tube assists with insertion, care and removal.	6	Hospital
11	Total Parenteral Nutrition (TPN).	6	Hospital
12	Oro –Nasopharyngeal Suction.	6	Hospital
13	Crash cart.	6	Hospital
14	Collect laboratory specimens in ICUs patients.	6	Hospital
15	Pacemakers.	6	Hospital
16	Calculating doses, flow rate, and administration of continuous intravenous infusions. Use infusion pump & syringe pump.	6	Hospital
Total hours		96	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions, objective questions and OSCE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Final exam.	60%
Total		100%

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No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (Medical surgical nursing sheet).	20%
2	Clinical Midterm exam.	20%
3	Clinical Final exam.	60%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Theory midterm exam.	8 th week
4	Case studies.	Every week
5	Lab. midterm exam.	8 th week
6	Clinical midterm exam.	9 th week
7	Final Lab. exam.	After 16 th week
8	Final clinical exam.	After 16 th week
9	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Moseley, M., Klein, D. & Sole, M. (2016) Introduction to Critical Care Nursing. Seventh Edition. Elsevier Health Sciences.
2. Woodruff, D. (2016) Critical Care Nursing made incredibly. Fourth Edition. Lippincott Williams & Wilkins.
3. Burns, S. M., Delgado, S. A. & American Association of Critical-Care Nurses. (2018). AACN essentials of critical care nursing. Second Edition. US: McGraw-Hill Professional.

Websites:

- <http://ccn.aacnjournals.org/content/30/6/85.full.pdf+html>
- <https://milnepublishing.geneseo.edu/nursingcare/back-matter/online-end-of-life-care-resources>
- <http://www.bumc.bu.edu/im-residency/files/2010/10/Residents-Critical-Care-Handbook.pdf>
- <http://www.medisart.com/criticalcare.htm>
- <http://www.healcentral.org>
- <http://www.americanheart.org>

Notes:

- The students will be provided with lecture notes.
- Students clinical log book.

Facilities Required:

1. Data show.
2. Equipment and supplies for clinical practices.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Critical & Emergency Medicine

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N2222.

Credit hours:

2 credit hour theory.

Academic year / Level:

2nd Year – 2nd Semester.

Course teaching staff:

Bachelor of general medicine.

Language of teaching:

English language.

Prepared by:

Dr. Emad Ali Hasan Alshameri.

Date of specification approval:

April 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course is designed to help nursing students to obtain medical knowledge related to critically ill and injured patient. It focuses on making students expand their knowledge-related to life-threatening situations and fundamental concepts of treating these patients of any age, regardless of location, and to assist in the difficult decisions involved in their life.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss the definition, etiology, clinical manifestations, diagnosis, monitoring, emergency treatment and complications of common critically ill and risk patients.
- a.2. Describe the infection control in critical care units.
- a.3. Identify machines, medical equipment & supplies used in critical care units.
- a.4. Recognize of medications prescribed in critical and emergency unit.

➤ Strategies of Teaching and Learning:

1. Interactive Lectures.

➤ Assessment & Evaluation Methods:

1. Objective Questions.
2. Essay Questions.

B. Intellectual skills:

- b.1. Interpret the results of laboratory findings & diagnostic procedures.
- b.2. Differentiate between machines, medical equipment & supplies used in critical care units.
- b.3. Distinguish between common critically ill and risk patients.

➤ Strategies of Teaching And Learning:

1. Case study.
2. Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

- c.1. Communicate effectively with colleagues, health team workers, patients and families.
- c.2. Write report about certain emergency case.
- c.3. Work effectively with team.
- c.4. Manage his/her time effectively.

➤ Strategies of Teaching And Learning:

1. Presentation.
2. Role play.
3. Reports.

➤ Assessment & Evaluation Methods:

1. Role plays evaluation.
2. Reports evaluation.



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D. Transferable skills:

- d.1. Communicate effectively with patients, families and health care team.
- d.2. Present relevant health teaching and emotional care to patients and their families.
- d.3. Report essential data related to patients and nursing intervention.

➤ Strategies of Teaching and Learning:

1. Role play.
2. Scientific writing for reporting.

➤ Assessment & Evaluation Methods:

1. Evaluation of role play.
2. Report evaluation.

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Intensive care unit equipment & supplies: Definition and uses of: - Mechanical Ventilation. - ECG. - Monitor device. - Pulse Oximetry. - Laryngoscope. - Tracheal tubes.	2	Interactive lectures presentation
2	Infection control: Definition, types, etiology, clinical Manifestations, diagnosis and emergency treatment for: - Ventilator-associated pneumonia (VAP). - Urinary tract infection (UTI). - Surgical site infection (SSI). - Blood stream Infection (BSI).	2	Case study Group discussion
3	Electrolytes Imbalance: - Electrolyte Disorders/Assessment. - Distribution, functions, regulation, etiology, clinical manifestation, diagnosis and emergency treatments of: - Sodium Imbalances. - Potassium Imbalances. - Calcium Imbalances.	2	Interactive lectures
4	Medications used in the Intensive care unit: - Analgesic and Sedation such as: Propofol, Fentanyl, Ketamine, Midazolam, Pethidine, Morphine sulfate. Cardiac and arrhythmias drugs: - Dopamine Inj. - Dobutamine Inj. - Epinephrine/Adrenaline Inj.	2	Interactive lectures Presentation

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No.	Subject	Contact hours	Learning & teaching strategies
	- Atropine Inj. - Verapamil Inj. - Aniiodatone Inj. - Lidocaine Inj. - Nitroglycerin Inj. - Heparin Inj. Bronchodilatation: - Aminophylline Inj. Muscle relaxation: - Tracrium Inj. - Streptokinase inj.		
5	Acute respiratory distress syndrome (ARDS): Introduction, pathophysiology, definition. Etiology, risk factors, clinical Features, differentials, investigations, emergency treatment and complications.	2	Interactive lectures
6	Acid-base balance: - Introduction (Physiology of acid base balance). Respiratory and Metabolic Alkalosis: - Causes, treating acid-base disturbances, <u>diagnosing acid-base disorders</u>, treatments and the dose calculated.	2	Interactive lectures
7	Mechanical Ventilation (MV): - Indications. - Modes of MV. - Weaning.	2	Interactive lectures
8	Midterm exam.	2	
9	ECG: - The electricity of the heart. - The different parts of the ECG. - ECG leads. - The cardiac axis - Normal ECG. - Calculate heart rate.	2	Interactive lectures
10	Cardiovascular system disorders: - Acute Myocardial Infraction. - Deep venous thrombosis DVT. - Sudden cardiac death. - Acute pericarditis. - Cardiac tamponade.	2	Interactive lectures
11	Arrhythmias: Normal sinus rhythm, Dysrhythmias, Brady dysrhythmias, Brady arrhythmia, Tachyarrhythmia, Clinical features of arrhythmia, treatment.	2	Interactive lectures
12	Neurological disorders: Emergency treatment of: - Head Injuries. - Spinal. - Cerebrovascular Accident (CVA).	2	Presentation

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No.	Subject	Contact hours	Learning & teaching strategies
13	Gastrointestinal Tract (GIT): Emergency treatment of: • Acute liver failure. • Upper & lower GIT bleeding. • Pancreatitis • Intestinal Obstruction.	2	Case study Group discussion
14	Diabetic ketoacidosis (DKA): • Introduction, types, definition, causes, Clinical Manifestation, Diagnosis, Emergency treatment and Complications.	2	Interactive lectures
15	Renal disorders: Acute Renal failure (ARF): • Introduction, Personal risk, definitions, Causes, Differentiation of ARF, Stages, Clinical Features, Diagnosis, Treatment.	2	Presentation
16	Systemic inflammatory response syndrome (SIRS) and Multiple organ dysfunction syndrome (MODS): • Introduction, definition, Pathophysiology, clinical manifestation, diagnosis, emergency treatment and complications.	2	Interactive lectures
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	10%
2	Assignments.	10%
3	Midterm exam.	20%
4	Final exam.	60 %
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Presentations (Groups).	Every 3 rd week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

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Learning resources:

References:

1. Reichman, E. F. (2018). *Reichman's Emergency Medicine Procedures*: McGraw-Hill Professional.
2. Habboushe, J., & Steinberg, E. M. (2017). *Basics of Emergency Medicine* (3rd Ed.). Emergency Medicine Residents' Association.
3. Wolfson, B. A., Cloutier, L. R., Hendey, W. G., Ling, J. L., Rosen, L. C., & Schaidt, J. J. (2017). *Rosen's Emergency Medicine: Concepts and Clinical Practice* (9th ed. Vol. 1&2): Elsevier.
4. Farcy, A. D., Chiu, C. M., Marshall, P. J., & Osborn, M. T. (2016). *Critical Care Emergency Medicine* (Second Edition ed.): McGraw-Hill Education.
5. Tintinalli, J. E., Stapczynski, J. S., Ma, O. J., Cline, D., Meckler, G. D., & Yealy, D. M. (2016). *Tintinalli's emergency medicine: a comprehensive study guide*: McGraw-Hill Education New York.

Websites:

- http://accpacc.org/Clinical_Document/Bradycardia_Gil_Web_Supplement.pdf.
- <https://www.cdc.gov/hai/vap/vap.html>
- <http://www.medsmart.com/criticalcare.htm>
- <http://www.americanheart.org>

Notes:

Students will be provided with notes in emergency medicine prepared by the course lecturer.

Facilities Required:

1. Data show.
2. Whiteboard.
3. Video films.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Clinical Pharmacology II

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N2219b.

Credit hours:

2 credit hours.

Academic year / Level:

2nd Year – 2nd Semester.

Course teaching staff:

Bachelor of Pharmacy.

Language of teaching:

English language.

Prepared by:

Dr. Mohammed Al-Moutawakel.

Date of specification approval:

April 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

Providing the student with the knowledge about the therapeutic uses, side effect, and contra-indication of drugs that affecting Central Nervous System, Urinary Tract, Endocrine System, Cancer, Eye, and Skin.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Define the drugs and dosage form of drugs affecting central nervous system, urinary tract, endocrine system, cancer, eye, and skin.
- a.2. Identify action and indication of the drugs.
- a.3. Recognize the side effects of common drugs.
- a.4. Identify the abbreviations used in pharmacology.

➤ Strategies of Teaching And Learning:

1. Interactive lecture.
2. Group discussions.

➤ Assessment & Evaluation Methods:

1. Essay Questions.

B. Intellectual Skills:

- b.1. Discuss the main precaution to be taken to common drug.
- b.2. Predict side effect of common drugs.
- b.3. Evaluate the side effects of drugs.

➤ Strategies of Teaching and Learning:

1. Group discussions.

➤ Assessment & Evaluation Methods:

1. Group discussions assessment.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Present scientific topics in seminar.

➤ Strategies of Teaching And Learning:

1. Presentation.

➤ Assessment & Evaluation Methods:

1. Presentation assessment.



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Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation.	2	Interactive lecture
Chemical classification of drugs, Pharmacological therapy, Dosage form, Dose, Uses, Side effect, and Contra-indication of the following:			
2	Urinary tract: - Drugs for Pylonephritis. - Drugs for Nephritic syndrome. - Drugs for Renal failure.	2	Interactive lecture
3	Central nervous system (C.N.S.): - Drugs for Hypnotics and anxiolytics - Drugs for Schizophrenia.	2	Interactive lecture
4	- Drugs for Epilepsy. - Drugs for Parkinsonism. - Drugs for Migraine.	2	Interactive lecture
5	Drugs for Anesthetic: - General anesthetic. - Local anesthetic.	2	Interactive lecture
6	Drugs for Analgesic: - Opioid analgesics. - Non opioid analgesics.	2	Interactive lecture
7	Endocrine system: Drugs for Diabetes mellitus (D.M).	2	Interactive lecture
8	Midterm exam	2	
9	- Drugs for Thyroid disorder. - Drugs for Cushing's syndrome.	2	Interactive lecture
10	Musculoskeletal and joint diseases: - Drugs for Rheumatic Arthritis. - Drugs for Gout. - Drugs for neuromuscular disorders. - Drugs for the relief of soft-tissue inflammation.	2	Interactive lecture
11	Anemia: - Drugs for Iron deficiency anemia. - Drugs for megaloblastic anemia. - Drugs for hemolytic anemia.	2	Interactive lecture
12	Cancer chemotherapy:	2	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
	- Principles of cancer chemotherapy - Adverse effects of anticancer drugs		
13	- Anticancer drugs: - Anti-metabolites - Antibiotics - Alkylating agents - Steroid hormones	2	Interactive lecture
14	The Eye: - Anti-inflammatory drugs - Drugs for Analgesic - Drugs for Glaucoma	2	Interactive lecture
15	- Drugs for Cataract - Drugs for dry eye - Drugs for Mydriatics and Miotics	2	Interactive lecture
16	The skin: - Drugs for Dermatitis (eczema) - Drugs for Psoriasis - Drugs for Acne - Drugs for Scabies	2	Interactive lecture
Total hours		32	

Evaluation of course:

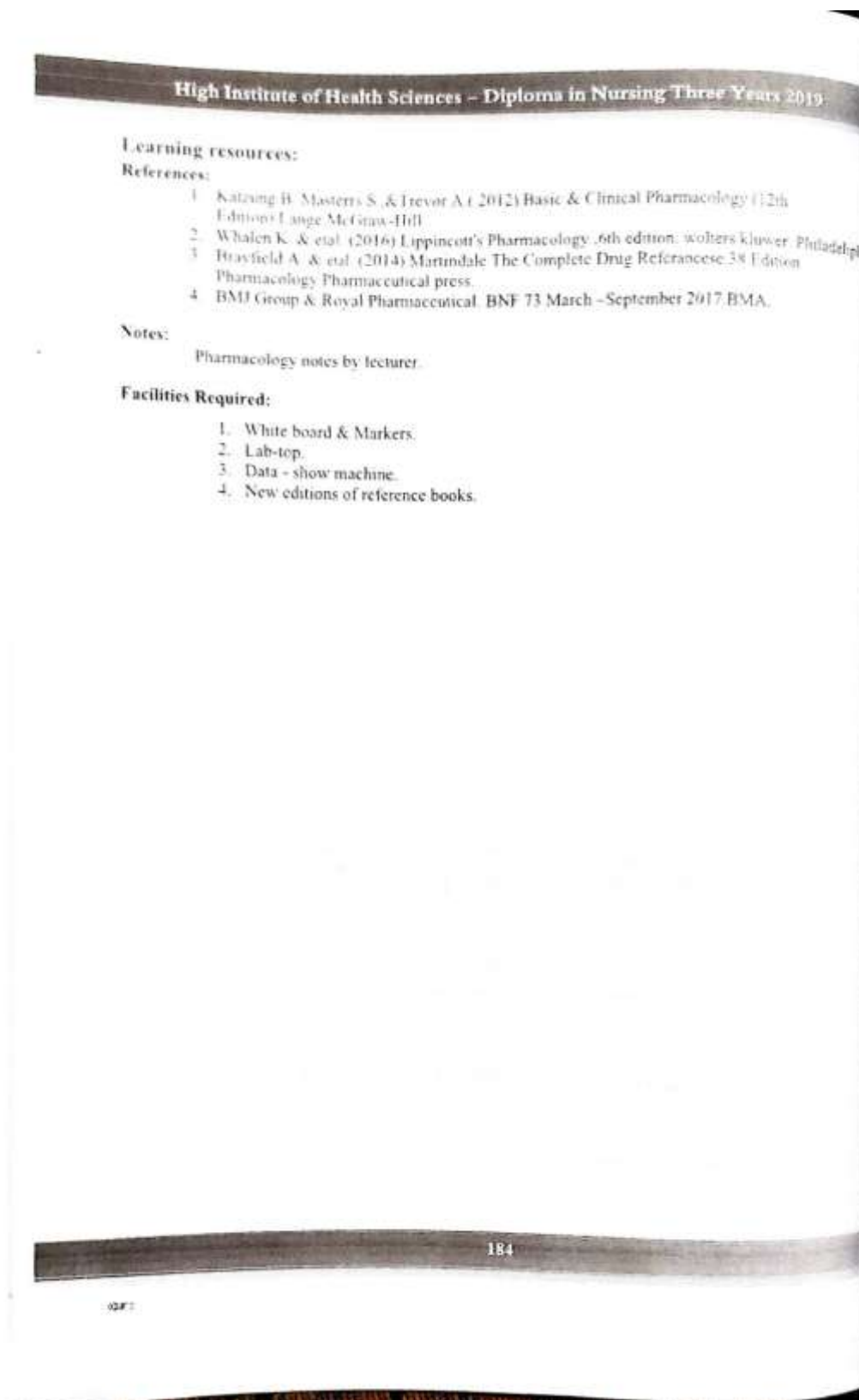
Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Four quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week





معهد الجامعة
لِلصِّدلة



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Rehabilitation & Physiotherapy

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches,

Department offering the course:
Nursing department.

Code number:
N2223.

Credit hours:
1 Credit hours.

Academic year / Level:
2nd Year – 2nd Semester.

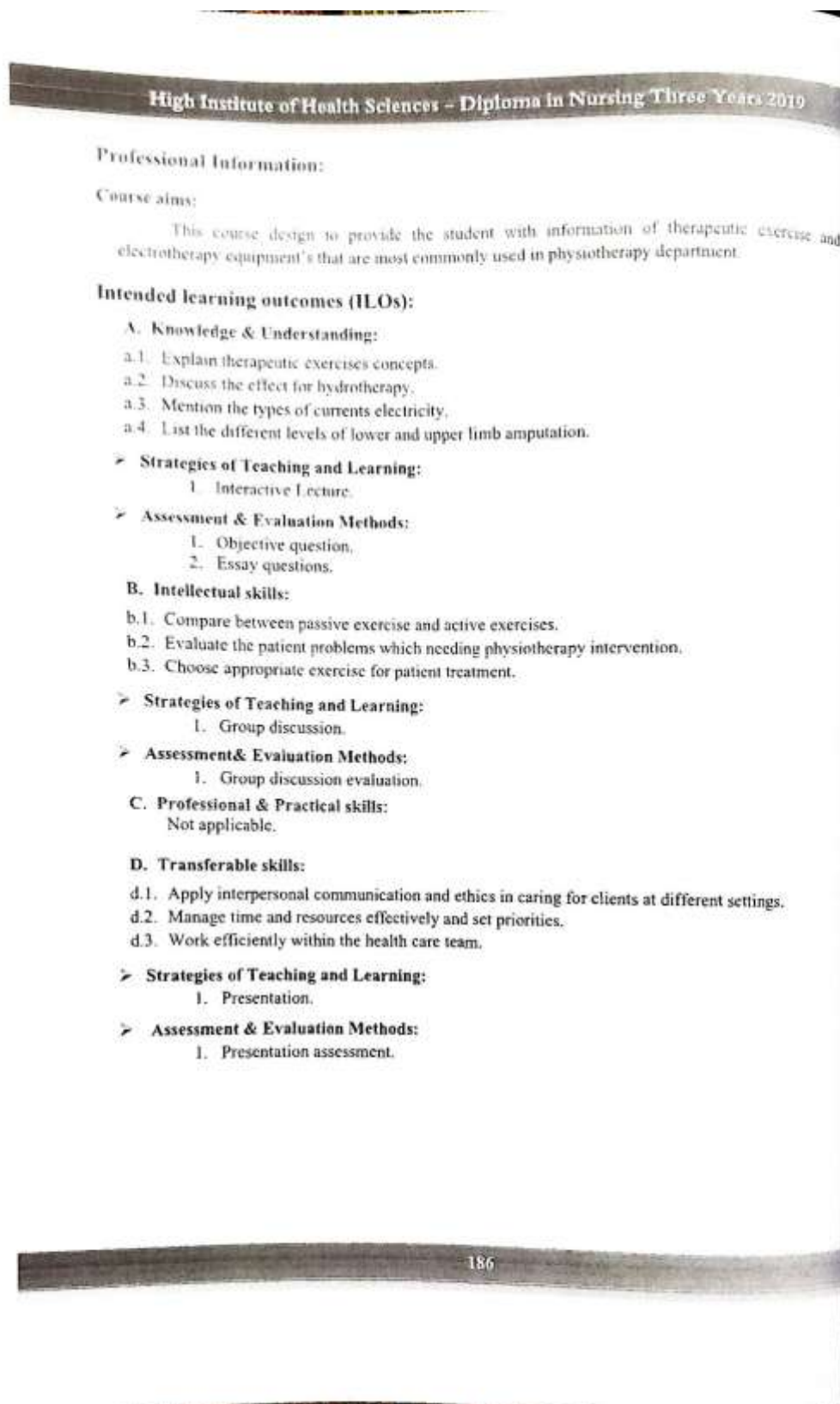
Course teaching staff:
Bachelor of Physiotherapy.

Language of teaching:
English language.

Prepared by:
Dr. Amt ALwafi ALkuhlani.

Date of specification approval:
April 2019.

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Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
	Orientation on course: - Intended learning outcomes (ILOs). - Course: hours. - Course outline. - Course evaluation.		
1	Introduction: - Definition of rehabilitation. - Types of rehabilitation. - Concept of rehabilitation. - Goals with terminology. - Rehabilitation team. - Assessment & steps of rehabilitation.	1	Interactive lecture
2	Therapeutic exercises: - Definition. - Types. - Benefits. - Impact. - Inhibitions.	1	Interactive lecture
3	Active free exercise: - Definition. - Classifications. - Test movement.	1	Interactive lecture
4	Passive range of motion: - Definition. - Types. - Test movement.	1	Interactive lecture
5	Introduction of electrotherapy: - Definition. - Importance. - Effects. - Types of current used in Physiotherapy.	1	Interactive lecture
6	Faradic stimulation: - Definition. - Effects. - Indication. - Contraindication.	1	Interactive lecture
7	TENS - (Transcutaneous electrical nerve stimulation: - Definition. - Effects.	1	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
	• Indication. • Contra indication.		
8	Midterm exam.	1	
9	Ultra sound therapy: • Definition. • Effects. • Indication. • Contra indication.	1	Interactive lecture
10	Ultraviolet therapy: • Definition. • Importance. • Effects.	1	Interactive lecture
11	Hydrotherapy: • Definition. • Importance. • Effects. • Types of Physiotherapy.	1	Interactive lecture
12	Recognize of equipment's in lab.	1	Interactive lecture & visit to physiotherapy lab.
13	Recognize of equipment's in lab.	1	Interactive lecture & visit to physiotherapy lab.
14	Recognize of equipment's in lab.	1	Interactive lecture & visit to physiotherapy lab.
15	Amputation: • Definition.	1	Interactive lecture
16	• Types. • Take care of amputation.	1	Interactive lecture
Total hours		16	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Watson Tim, Elsevier Health science div. Electrotherapy-Evidence based practice, 2008.
2. Michelle H Cameron Saunders. Physical Agents in Rehabilitation: From Research to Practice. 2008.
3. Michelle Cameron Saunders. Electrical Stimulation Ultrasound and Laser.
4. Carolyn Kisner, Therapeutic exercise foundation and techniques, 4th edition.
5. Sheila Kitchen, Culyton's Electrotherapy, 10th edition.
6. Susan B. Sullivan, Physical rehabilitation.

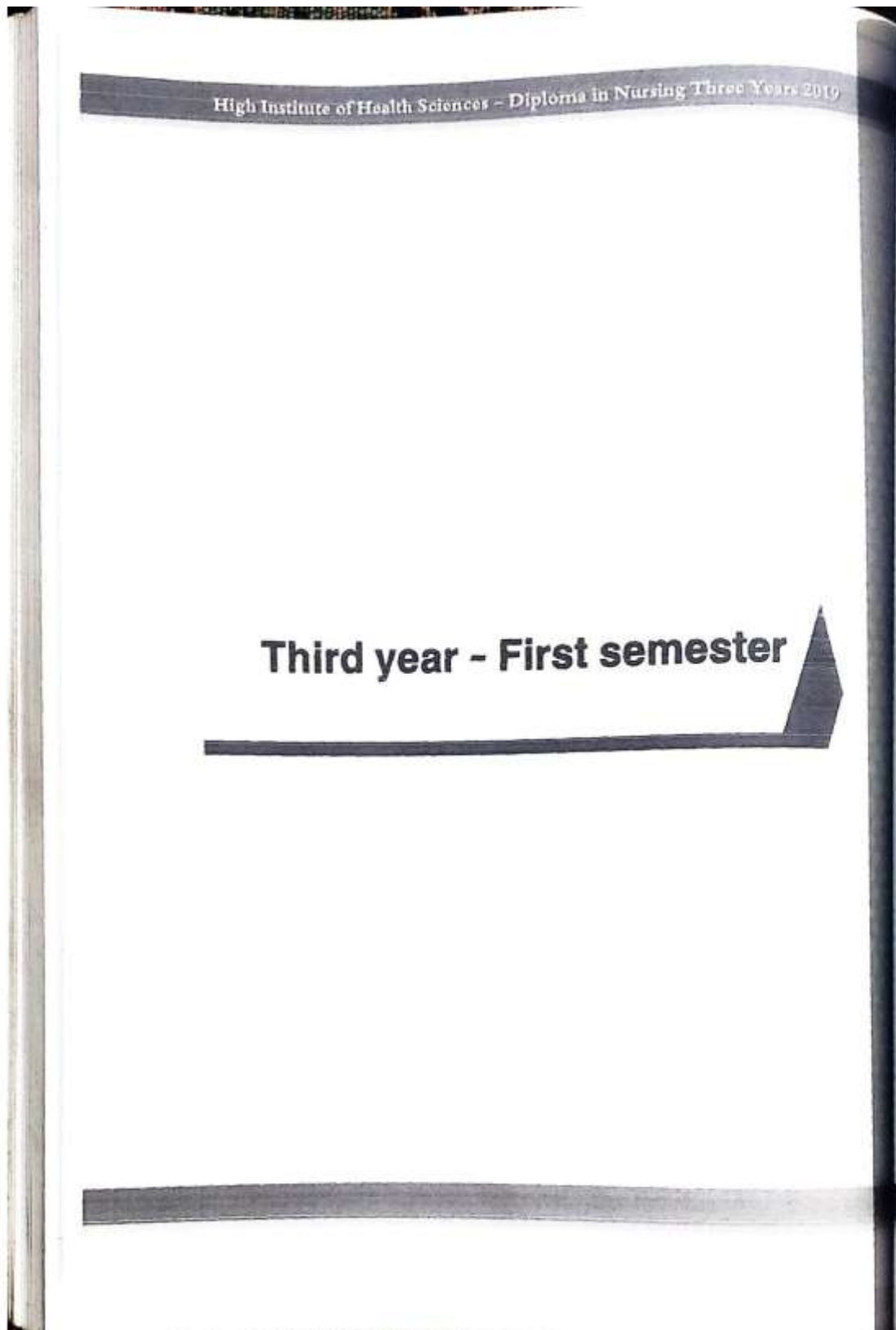
Web- Site:

- www.gulfkids.com

Facilities Required:

1. White board, computer, internet.
2. Data show.
3. Overhead projector.
4. Hand notes.
5. Lab equipment's:
 - Electrical stimulation therapy systems.
 - Faradic therapy system.
 - TENS-IFT-DDC therapy system.
 - Ultraviolet therapy system.
 - In Fra – red therapy system.
 - Ultra sound therapy system.







معهد الجامعة
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Maternal Health Nursing

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3124.

Credit hours:
3 credit hours theory.
1 credit hour practical lab.
2 credit hours clinical.

Academic year / Level:
3rd Year – 1st Semester.

Course teaching staff:
Bachelor of nursing.

Language of teaching:
English language.

Prepared by:
Dr. Mariam Alomaissi.

Date of specification approval:
April 2019.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

The goal of the maternity health nursing is to equip the nursing student with the knowledge and skills necessary to provide care to the woman throughout her childbearing period.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Identify basic knowledge related to pregnancy period and process of labor.
- a.2. Recognize healthy needs of women and their neonates.
- a.3. Explain common health problems in Yemen society related to child bearing periods.
- a.4. Determine high risk pregnancy to provide them with appropriate quality of care.

➤ **Strategies of Teaching and Learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective question.

B. Intellectual skills:

- b.1. Analyze different needs for pregnant women.
- b.2. Evaluate role of the nurse in regards to ethical and moral issues during labor.
- b.3. Interpret causes of the most important health problems during pregnancy and high-risk women in Yemen.

➤ **Methods of teaching and learning strategies:**

1. Group discussion.
2. Case study.

➤ **Methods of assessment:**

1. Case study questions.

C. Professional & Practical skills:

- c.1. Carryout nursing care plans and interventions for mothers during pregnancy and labor.
- c.2. Apply different procedures and nursing care plans in relation to labor and gynecological problems.

➤ **Methods of teaching and learning strategies:**

1. Practice – Clinical.
2. Case study- practice.

➤ **Methods of assessment:**

1. OSPE.
2. OSCE.

D. Transferable skills:

- d.1. Use appropriate interpersonal communication skills.
- d.2. Write recording (written), reporting (oral and written), and documentation.
- d.3. Respect the patient dignity confidentiality & autonomy.

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➤ Strategies of Teaching and Learning: 1. Group Discussion. 2. Play role. 3. Case study. 4. Presentation. ➤ Assessment & Evaluation Methods: 1. Observation. 2. Presentation assessment. 3. Evaluation of play role.			
Contents of the course: 1. Theory Subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Introduction - Definition and goal. - Cause of maternal mortality. - Factors that reduce the maternal mortality.	3	Interactive lecture
Nursing management and Nursing process to the:			
2	Nursing care of common menstrual disorders: Diagnosis of Pregnancy. Antenatal care: Prenatal assessment: - Health history. - Physical assessment.	3	Interactive lecture Case study
3	Antenatal care: - Minor pregnancy discomfort (types, causes, prevention, and nursing intervention). - Assessment of fetal maturity and well-being.	3	Play role
4	Nursing care of obstetric complications (Hemorrhage): - Ectopic pregnancy. - Hydatidiform mole. - Abortion.	3	Interactive lecture Group discussion
5	- Placenta previa. - Abruptio placentae.	3	Interactive lecture
6	Hyperemesis gravidarum. Disorder of hydramnios: - Polyhydramnios. - Oligohydramnios. Multiple gestations.	3	Interactive lecture Presentation
7	Community care for maternal and newborn in obstetric emergency (CBMNC): - Counseling for maternal and child. - Care of pregnant women.	3	Interactive lecture
8	Midterm exam.	3	

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No.	Subject	Contact hours	Learning & teaching strategies
9	- High risk pregnancy. - Deal with pregnant who has: - Malaria. - Anemia. - Diabetic mellitus. - Heart disease. - Hypertensive disorders of pregnancy. Drugs intervention: - Magnesium sulphate 500mg - Calcium gluconate 100mg/10ml hydralazine hydrochloride 20mg powder	3	Interactive lecture Play role group discussion
10	Cont. Community care for maternal and newborn in obstetric emergency (CBMNC): Care the mother after abortion. Normal labor: - Diagnosis of labor. - Caring for a Woman during first stage of labor. - Caring for a Woman during second stage of labor. - Caring for a Woman during third stage of labor. Delivery at home.	3	Interactive lecture presentation
11	Cont. Community care for maternal and newborn in obstetric emergency (CBMNC) Abnormal labor: - Diagnosis of long and complicated labor. - Deal with bleeding that relate to placenta retention. Drugs intervention: - Oxytocin inj. 10 IU/ 1ml. - Misoprostol 200mg tablet. Labor: - Deal with breech presentation. - Prolapsed umbilical cord. Obstetric fistula: - Discover and care of the obstetric complication like fistula. Postpartum: Care of mother during the postpartum period. - Postpartum infection. - Postpartum hemorrhage. - Postpartum depression. Cesarean Birth and nursing care.	3	Interactive lecture Play role group discussion
12	Cont. Community care for maternal and newborn in obstetric emergency (CBMNC): - Apgar score assessment. - Help the newborn to breath. - Kangaroo mother care. - Breast feeding. - Protect the newborn from infection (prevention measures of infection for newborn).	3	Interactive lecture Play role group discussion

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No.	Subject	Contact hours	Learning & teaching strategies
13	Cont. Community care for maternal and newborn in obstetric emergency (CBMNC) Infection control in labor room: - Cleaning disinfection and sterilization. - Deal with sharp equipment's. - Discards of trash. - Cleaning the place.	3	Interactive lecture Play role group discussion
14	Cont. Community care for maternal and newborn in obstetric emergency (CBMNC) Sexual transmitted diseases.	3	Interactive lecture Play role group discussion
15	Cont. Community care for maternal and newborn in obstetric emergency (CBMNC): - Family counseling methods. - Referral system.	3	Interactive lecture Play role group discussion
16	Health promotion of women: - Reproductive health promotion & screening. - Menopausal periods. - Reproductive neoplastic (Breast cancer & care of women). - Self-breast examination. - Nursing care infertility problems. - The Role of nurse in reproductive health.	3	Interactive lecture group discussion
Total hours		48	

2. Practical subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Apply Antenatal care: General assessment of the pregnant woman.	2	Nursing / Midwifery Lab.
2	Physical examination for pregnant woman. Four steps of Leopold's maneuver.	2	Nursing / Midwifery Lab.
3	Assessment of fetal heart beat by Doppler device Assessment of fetal heart beat by Pinard stethoscope.	2	Nursing / Midwifery Lab.
4	Assessing pitting edema.	2	Nursing / Midwifery Lab.
5	Intrapartum electronic fetal monitoring process.	2	Nursing / Midwifery Lab.
6	Monitoring contraction.	2	Nursing / Midwifery Lab.
7	Nursing care during labor. Vaginal examination during labor. Precipitous delivery or delivery in absence of health care provider (nurse-assisted). Episiotomy care.	2	Nursing / Midwifery Lab.

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N.	Subject	Contact hours	Lab. Hospital, field
8	Midterm exam.	2	Nursing / Midwifery Lab.
9	Assisting with normal vaginal delivery.	2	Nursing / Midwifery Lab.
10	Assisting with normal vaginal delivery.	2	Nursing / Midwifery Lab.
11	Removal of vaginal pack	2	Nursing / Midwifery Lab.
12	Counseling/Health education about early exclusive breast feeding.	2	Nursing / Midwifery Lab.
13	Apply counseling in family planning methods.	2	Nursing / Midwifery Lab.
14	Female breast self-examination.	2	Nursing / Midwifery Lab.
15	Antenatal and postnatal exercise.	2	Nursing / Midwifery Lab.
16	Pelvic examination and pap smear.	2	Nursing / Midwifery Lab.
Total hours		32	

3. Training Subjects

N.	Subject	Contact hours	Lab. Hospital, field
1	Apply Antenatal care: Assessment of the pregnant woman.	6	Hospital Practice
2	Physical examination for pregnant woman.	6	Hospital Practice
3	Four steps of Leopold's maneuver.	6	Hospital Practice
4	Auscultation fetal heart rate.	6	Hospital Practice
5	Assessing pitting edema.	6	Hospital Practice
6	Intrapartum electronic fetal monitoring process.	6	Hospital Practice
7	Nursing care of pregnancy discomfort. Nursing care of pregnant bleeding.	6	Hospital Practice
8	Apply and nursing care during (Enema & catheterization, I.V Fluid, Blood sample, blood transfusion).	6	Hospital Practice
9	Midterm exam.	6	
10	Nursing care during labor. Vaginal examination during labor. Precipitous delivery or delivery in absence of health care provider (nurse-assisted). Episiotomy nursing care.	6	Hospital Practice
11	Drugs intervention of Oxytocin inj. 10 IU/ 1ml and Misoprostol 200mg.	6	Hospital Practice

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N.	Subject	Contact hours	Lab. Hospital, field
	Care of mother during the postpartum period.		
	Immediate care of the newborn.		
	Apgar scoring assessment.		
12	Umbilical cord care.	6	Hospital Practice
	Newborn eye care.		
	Breast feeding counseling.		
13	Apply infection control in labor room.	6	Hospital Practice
14	Nursing care of pt. with Sexual transmitted diseases.	6	Hospital Practice
	Female breast self-examination.		
15	Apply counseling in family counseling methods.	6	Hospital Practice
16	Antenatal and postnatal exercise.	6	Hospital Practice
	Pelvic examination and pap smear.		
Total hours		96	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves essay exam, objective exam and OSCE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory Midterm exam.	20%
4	Final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (Medical surgical nursing sheet).	20%
2	Clinical Midterm exam.	20%
3	Clinical Final exam.	60%

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Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Theory midterm exam.	8 th week
4	Case studies (maternal health nursing sheet).	Every week
5	Midterm lab. Exam.	8 th week
6	Clinical midterm exam.	9 th week
7	Final clinical exam.	After 16 th week
8	Final lab. Exam.	After 16 th week
9	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Pillitteri, A. (2016). Maternal and Child Health Nursing: Care of the Childbearing and Childrearing Family. Lippincott Williams & Wilkins (LWW)
2. Ricci, S., Kyle, T., & Carman, S. (2019). Maternity and Pediatric Nursing. LWW; Third edition (October 14, 2016).
3. Ward, S. L. & Hisley, S. M. (2016). Maternal-child nursing care: optimizing outcomes for mothers, children, & families. Philadelphia: F.A. Davis Company.

Websites:

- http://www.gfmer.ch/Obstetrics_simplified/Obstetrics_simplified_contents.htm
- <http://www.ourbodiesourselves.org/health-info/models-of-maternity-care/>
- <http://www.similima.com/obstetrics-gynecology-books-free-download>
- <https://archive.org/details/TextbookOfProceduresInObstetricsAndGynaecologyTextbook-UniversityOf>
- <http://www.jaypecdigital.com/ChapterSpecific.aspx?id=9789350255575&sgo=4ZTJJoUqt-c=&sr=1>

Notes:

Notes prepared in the form of a book authorized by the department.

Facilities Required:

1. Lab-top.
2. Data – show.
3. White board.
4. Appropriate classroom.
5. Educational hospital.

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Obstetrics & Gynecology

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3125.

Credit hours:
2 credit hours.

Academic year / Level:
3rd Year - 1st Semester.

Course teaching staff:
Bachelor of general medicine /Gynecologist.

Language of teaching:
English language.

Prepared by:
Dr. Mariam Alomaisi.

Date of specification approval:
April 2019.

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High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

The aim of this course is to provide nursing students with theoretical base of normal embryology, normal and abnormal pregnancy, labor, common gynecological symptoms and diseases to promote maternal health.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Recognize the general embryological basis from fertilization to implementation.
- a.2. Describe the physiological and psychological changes with pregnancy and antenatal care.
- a.3. Identify causes, clinical picture, diagnoses and management of common medical and obstetric disorders with pregnancy.
- a.4. Discuss common gynecological disorders.

➤ **Strategies of Teaching and Learning:**

1. Interactive lectures.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Differentiate between causes of bleeding in early and late pregnancy.
- b.2. Choose the suitable management for common obstetric disorders with pregnancy.
- b.3. Distinguish between different gynecological disorders.

➤ **Methods of teaching and learning strategies:**

1. Case study.
2. Group discussion.

➤ **Methods of assessment:**

1. Case study questions.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Apply interpersonal communication and ethics in caring for female in normal and abnormal conditions.
- d.2. Promote patient/client rights to autonomy, respect, privacy, dignity and access to information.
- d.3. Manage his/her time effectively.

➤ **Strategies of Teaching and Learning:**

1. Presentations.
2. Role play.

➤ **Assessment & Evaluation Methods:**

- Presentations evaluation.
- Role plays evaluation.

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Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
	Course Overview:		
	- Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation.		
1	Obstetrics: - Overview of female reproductive system. - Menstrual cycle & common menstrual disorders: - Amenorrhea. - Dysmenorrhea. - Fertilization, implantation & early development of the ovum.	2	interactive lecture
2	- Diagnosis of pregnancy. - Physiological changes and psychological changes with pregnancy.	2	Interactive lecture group discussion
3	- Minor disorders of pregnancy & warning signs. - Antenatal care.	2	interactive lecture Role play
Definition, etiology, signs & symptoms, diagnosis, prevention, treatment, complications & the following:			
4	Hemorrhage disorders: - Ectopic pregnancy. - Hydatidiform mole.	2	interactive lecture group discussion
5	- Abortion. - Placenta previa. - Abruption placentae.	2	interactive lecture Case study
6	- Hyperemesis gravidarum. - Disorder of hydramnios: - Polyhydramnios. - Oligohydramnios. - Multiple gestations. - Malaria during pregnancy.	2	interactive lecture group discussion
7	- Diabetic mellitus with pregnancy. - Hypertensive disorders of pregnancy.	2	interactive lecture group discussion
8	Midterm exam.	2	
9	Heart disease and anemia during pregnancy.	2	interactive lecture Group discussion
10	Labor process: Stages of labor. Cesarean section.	2	interactive lecture
11	Complications of Labor: - Long and complicated labor. - Postpartum hemorrhage. - Prolapsed umbilical cord. - Induction of labor.	2	interactive lecture Group discussion

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No.	Subject	Contact hours	Learning & teaching strategies
12	- Uterine rupture. - Postpartum infection (Puerperal sepsis & Mastitis). - Postpartum depression.	2	interactive lecture
13	Gynecology disorders: - Abnormal & excessive uterine bleeding. - Reproductive neoplasia.	2	interactive lecture Group discussion
14	Family planning	2	interactive lecture Group discussion
15	Sexual transmitted diseases.	2	interactive lecture Group discussion
16	Infertility and its management. Menopause periods.	2	interactive lecture case study
Total hours		32	

Evaluation of course

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	20%
2	Mid-term exam.	20%
3	Final exam.	60 %
Total		100%

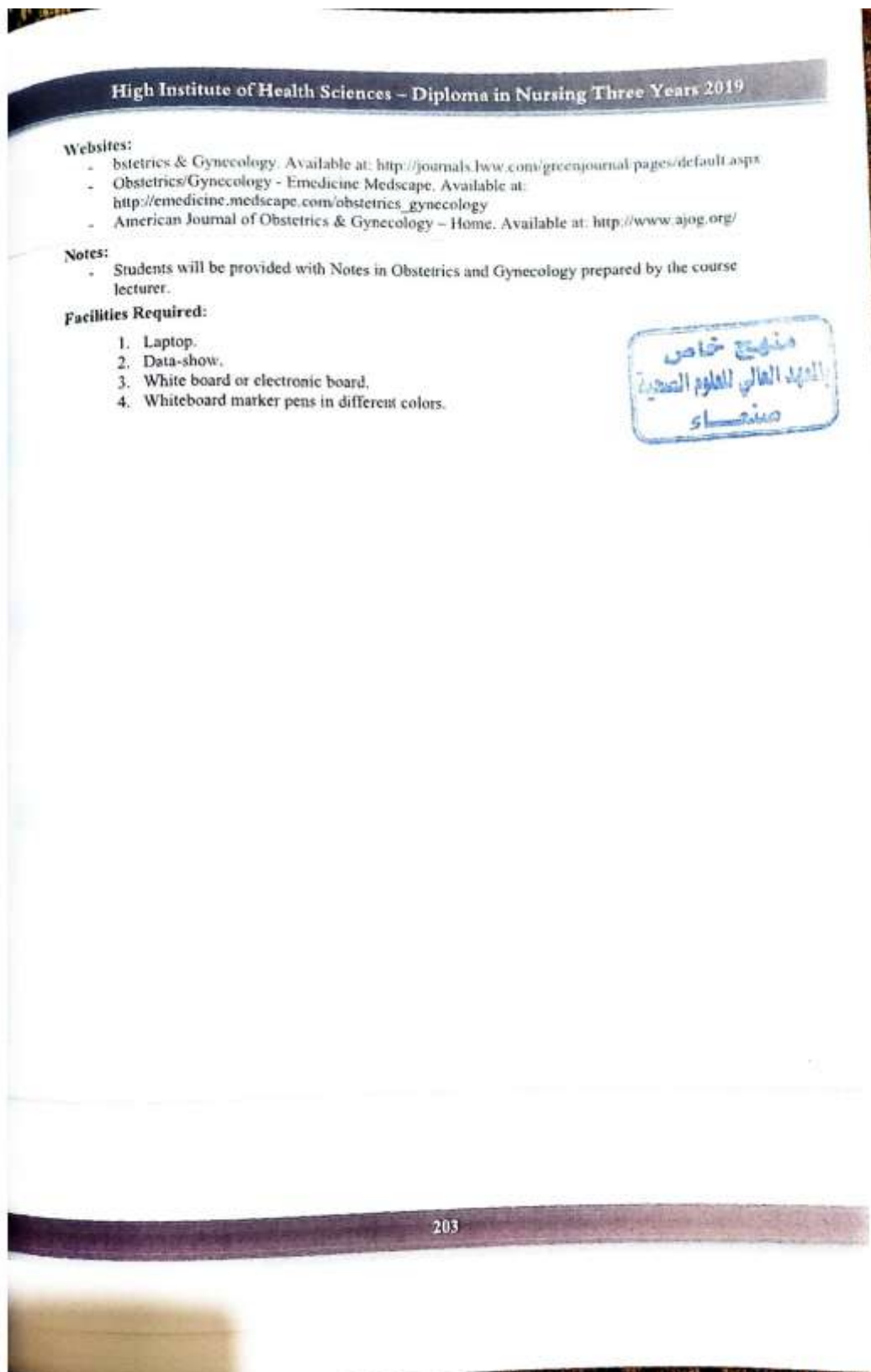
Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Beckmann, C. R., Ling, F., Barzansky, B., Herbert, W., Laube, D., & Smith, R. (2016). *Obstetrics and Gynecology*. Lippincott Williams & Wilkins, a Wolters Kluwer business.
2. C.Toy, E., baker, b., ross, p., & jennings, j. (2016). *case files obstetrics&gynecology*. McGraw-Hill Education.
3. Gibbs RS (2012): Danforth's Obstetrics and Gynecology, th10 ed. Lippincott Williams & Wilkins. Philadelphia.
4. Callahan T and Caughey AB (2013): Blueprints Obstetrics and Gynecology. Lippincott Williams & Wilkins. Philadelphia.
5. Johan T (2013): High risk pregnancy, 4th ed. Black Well Science inc. Washing.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Child Health Nursing

Basic Information:

Name of Institute:
High institute of health sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3126.

Credit hours:
3 Credit hours theory,
1 Credit hour practical lab,
2 Credit hours clinical.

Academic year / Level:
3rd Year – 1st Semester.

Course teaching staff:
Master degree in pediatric nursing or bachelor of nursing.

Language of teaching:
English Language.

Prepared by:
Dr. Arwa Ahmed Alfosail.

Date of specification approval:
April 2019.

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course aims to acquire students the Knowledge and skills to performance the assessment of children health, developmental, anthropometric and physical examination to different age groups, and uses the nursing process sheet to performance the nursing care of the common medical, congenital and critical diseases to different children age groups, also implementation the Expanded Program on Immunization (EPI) in the Ministry of Public Health and Population.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Explain the nursing management of the common medical pediatric, congenital and critical diseases to different children age groups.
- a.2. Discuss the nursing management of the normal growth & developmental changes at different ages.
- a.3. Clarify the assessment and nursing management to premature infant and pre and post term infant.
- a.4. Discuss the knowledge about vaccination.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Predicate the pediatric nursing care plan to solve the nursing diagnosis in the pediatric diseases.
- b.2. Analyze assessment finding for pediatrics diseases.
- b.3. Select appropriate nursing process plan to different pediatrics diseases.

➤ Strategies of Teaching and Learning:

1. Case study
2. discussion

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

- c.1. Apply growth and developmental assessment to different children age groups.
- c.2. Perform the pediatric nursing process plan to children with common diseases.
- c.3. Apply the vaccination administration to children.
- c.4. Perform administration of fluids, electrolytes and drug dosage to children.

➤ Strategies of Teaching and Learning:

1. Clinical practice.

➤ Assessment & Evaluation Methods:

1. Objective structured clinical examination (OSCE).



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D. Transferable skills:

- d.1. Write pediatric nursing care plan.
- d.2. Manage effectively time, pediatric nursing care and sets priorities.

➤ Strategies of Teaching and Learning:

1. Case study.

➤ Assessment & Evaluation Methods:

1. Case study evaluation.

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Overview on the course: - Intended learning outcome. - Course out line. - Course time. - Course hours. - Course evaluations. Introduction: - Define the pediatric nursing. - Identify the history of pediatric nursing. - Demonstrates the major functions and role of the pediatric nurse in caring for a hospitalized child.	3	Interactive Lecture
2	- Assessment the growth and developmental of children in different age group age groups. - Assessment the infant reflexes.	3	Interactive Lecture
3	- Physical assessment and examination of the premature, pre and post term infants. - Nursing management to the normal growth & developmental changes to the infant, toddler, Preschool, school- age child.	3	Interactive Lecture
Nursing management and Nursing process to the:			
4	Respiratory system diseases: Upper Respiratory: - Common cold. - Tonsillitis. - Otitis media. - Pharyngitis. - Diphtheria. - Sinusitis. lower Respiratory:	3	Interactive Lecture Case study



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No.	Subject	Contact hours	Learning & teaching strategies
	- Bronchitis. - Pneumonia. - Measles. - Croup. - Tuberculosis.		
5	GIT system diseases: - Infectious gastroenteritis (diarrhea-abdominal pain-vomiting- Dehydration) - Cholera. - Worm infestation. - Hirschsprung's disease. - Intussusception.	3	Interactive Lecture Case study
6	Nutritional disorders diseases: - Marasmus. - Kwashiorkor. - Rickets. Hematologic diseases: - Thalassemia. - Leukemia. - Hemophilia.	3	Interactive Lecture Discussion
7	Hematologic diseases: - Aplastic anemia. - Sickly cell anemia. - Iron deficiency anemia.	3	Interactive Lecture
8	Midterm exam	3	
9	Endocrine system diseases: - Diabetes mellitus type 1. - Dwarfism. - Growth hormone.	3	Interactive Lecture Discussion
10	Pre- and post-operative cases with Congenital diseases: - Cleft lip and palate. - Esophageal atresia. - Pyloric stenosis. - Umbilical hernia. - Imperforated anus.	3	Interactive Lecture Discussion
11	- Hypospadias & undescending testis. - Cerebral palsy. - Hydrocephalus. - Microcephalus.	3	Interactive Lecture Role play

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No.	Subject	Contact hours	Learning & teaching strategies
12	- Spina bifida. - Cardiology system diseases: - Rheumatic heart disease. - Atrial septal defect - Ventricular septal defect - Mitral stenosis - Tetralogy of fallout	3	Interactive Lecture
13	- Genetic disorder diseases: - Autism. - Down syndrome (DS). - Microcephalus. - Mental retardation.	3	Interactive Lecture Discussion
14	- Critical and Emergency cases diseases: - Incompatibility between maternal and fetal blood. - Seizure. - Respiratory distress syndrome. - Birth injuries. - Neonatal sepsis.	3	Interactive Lecture
15	- The immunization program policy in Yemen: 11 Childhood infectious diseases - vaccine name - vaccine components - dose quantity - injection sites - safe injection method - quantity of the package - Degree of vaccine conservation - vaccine effect by freezing.	3	Interactive Lecture
16	- Vaccine effectiveness after dose – - Effect of the vaccine on freezing - cold chain - the daily statistics card- Monthly report - Recordings - Record Temperature Chart- Graph.	3	Interactive Lecture
Total hours		48	

2. Practical subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	APGAR score assessment	2	Lab.
2	- Immediate care of the newborn. - Applying baby restrain. - Educate Kangaroo Mother Care for low birth weight.	2	Lab.
3	- Anthropometric measurements: - Measuring the head circumference. - Measuring arm circumference. - Measuring chest circumference. - Measuring Abdominal girth.	2	Lab.

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N.	Subject	Contact hours	Lab. Hospital, field
	Measuring weigh of neonate & Measuring the length of neonate.		
4	Measuring and record vital signs.	2	Lab.
5	Physical examination of newborn.	2	Lab.
6	Child Bathing & Sponge bath for newborn.	2	Lab.
7	Eye & Umbilical cord care.	2	Lab.
8	Midterm exam.	2	Lab.
9	Lumber puncture Assisting With.		
	Bone Marrow aspiration Assisting with.	2	Lab.
	Bone Marrow biopsy Assisting with.		
10	Incubator Care& Care Child in incubator.	2	Lab.
11	Phototherapy care.	2	Lab.
12	Calculation of drugs dose & fluids requirements.	2	Lab.
13	Oral rehydration Solution (ORS) administration.	2	Lab.
14	Oxygen Therapies.	2	Lab.
15	Gastrointestinal Intubation	2	Lab.
16	Blood exchange in children.	2	Lab.
Total hours		32	

3. Training Subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	- Perform assessment and anthropometric measurements to children (according growth and developmental chart). - Assessment the Infant reflexes.	6	Chide health Centers
2	-Apply assessment and management to the child with, behavioral, mental and emotional problems to different age group.	6	Chide health Centers
3	-Apply physical examination of the child.	6	Pediatric ward
4	- Apply physical assessment and examination of the premature , pre and post term infants	6	Labor room
5	-Apply nursing management to normal problems to children.	6	Chide health Centers
6	-Preform all types of vaccinations to children (according to Immunization schedule).	6	Chide health Centers
7	-Apply the daily statistics card- -Monthly report - Recordings - Record. Apply Temperature Chart & Graph.	6	Chide health Centers
8	Apply Administration of fluids, electrolytes and drug dosage to children in field. - Administration (medicine/fluids). - Calculation of fluids requirements. - Prepare and administer different IV fluids solutions.	6	Pediatric ward

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N.	Subject	Contact hours	Lab. Hospital, field
	- Administer fluids with infusion pump.		
9	Midterm exam	6	
	Apply assessment , nursing diagnosis ,planning , implementation and evaluation according to practical guide line to the following:		
10	Respiratory system diseases : • Sinusitis. • Otitis media. • Tonsillitis. • Croup. • Bronchitis. • Pneumonia. • Measles. • Tuberculosis. • Chest physiotherapy. • Apply suction producer. • Apply drainage procedure.	6	Pediatric ward
11	GIT system diseases: • Cholera. • Infectious gastroenteritis: diarrhea - abdominal pain-vomiting- Dehydration. • Worm infestation. • Hirschsprung's disease. • Intussusception. • Care of a baby in incubator/warmer. • Total parenteral nutrition. • Phototherapy. • Incubator care. • Apply NGT tube producer. • Apply colostomy care.	6	Pediatric ward
12	Nutritional disorders diseases: • Marasmus. • Kwashiorkor. • Rickets. Hematologic diseases: • Thalassemia. • Leukemia. • Hemophilia. • Aplastic anemia. • Sickle cell anemia. • Iron deficiency anemia.	6	Pediatric ward
13	Endocrine system: • Diabetes mellitus type 1.	6	Pediatric ward

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N.	Subject	Contact hours	Lab. Hospital, field
	- Dwarfism. - Growth hormone. Genitourinary system diseases: - Glomerulonephritis. - Nephritic syndrome. - Apply Urinary catheterization.		
14	Pre- and post-operative cases with Congenital diseases: - Cleft lip and palate. - Esophageal atresia. - Pyloric stenosis. - Spina bifida. - Hydrocephalus. - Imperforated. - Cerebral palsy. - Umbilical hernia. - Hypospadias. - Undescended testes.	6	Pediatric ward
15	Genetic disorder: - Down syndrome (DS). - Microcephalus. - Mental retardation. - Autism. Cardiology system: - Atrial septal defect. - Ventricular septal defect. - Heart Rheumatic fever. - Mitral stenosis. - Tetralogy of fallout.	6	Pediatric ward
16	Critical and Emergency cases diseases: - Incompatibility between maternal and fetal blood. - Seizure. - Respiratory distress syndrome. - Birth injuries. - Neonatal sepsis. - Apply (ABC, CPR, and unconsciousness care). - Apply Care to children on ventilator.	6	Pediatric ward
Total hours		96	

منهج خاص
بالمعهد العالي للعلوم الصحية
بالتخصص

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions, objective questions and OSCE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory Midterm exam.	20%
4	Final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Practical		
1	Lab. midterm exam.	40%
2	Lab. final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (Medical surgical nursing sheet).	20%
2	Clinical Midterm exam.	20%
3	Clinical Final exam.	60%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Theory Midterm exam.	8 th week
4	Case studies.	Every week
5	Midterm lab. exam.	8 th week
6	Clinical Midterm exam.	9 th week
7	Final lab. Exam.	After 16 th week
8	Final Clinical exam.	After 16 th week
9	Final theoretical exam.	After 16 th week

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Learning resources:

References:

1. Wong's Nursing Care of Infants and Children 11th Edition, by Marilyn J. Hockenberry PhD RN-CS PNP FAAN (Author), David Wilson MS RN C(INC) (Author), Publisher: Mosby; 11 edition (October 16, 2018).
2. Principles of Pediatric Nursing: Caring for Children , by Jane W Ball (Author), Ruth C Bindler (Author), Kay Cowen (Author), Michele Rose Shaw (Author), 7th Edition, Publisher: Pearson; 7 edition (November 3, 2016).
3. Contemporary Maternal-Newborn Nursing , 9th Edition ,by Patricia W Ladewig (Author), Marcia L London (Author), Michele Davidson (Author), Publisher: Pearson; 9 edition (October 17, 2016).
4. Nursing Care of Children - E- Book: Principles and by Susan R. James (Author), Kristine Nelson (Author), Jean Ashwill (Author), Publisher: Saunders; 4 edition (April 14, 2014).

٥. الامة الوطنية المحنة والمعتمدة من قبل وزارة الصحة العامة والسكان - اليمن - صنعاء.

Websites:

- <https://www.webteb.com/children-health/diseases/%D9%85%D8%B1%D8%B6-%D8%A7%D9%84%D8%AA%D9%88%D8%AD%D8%AF>
- <https://nurseslabs.com/down-syndrome-trisomy-21/>
- <https://www.drugguide.com/ddo/view/Davis-Drug-Guide/109514/all/Pediatric-Dosage-Calculations>

Notes:

- Lecture hand out.

Facilities Required:

1. Whiteboard.
2. Flip paper.
3. Data Show.
4. Card models for this growth for children.
5. Meters for measuring children's lengths.
6. Balance (newborn = balance with length scale).
7. Tongue depressor.
8. Vital signs instruments.
9. Vaccination card.
10. Dram of sterile gauze & Cotton ball.
11. Sample of Vaccines bottles with keeping containers.
12. Sample of some drugs, syringe & I.V. fluid solutions.





معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Pediatric Medicine

Basic Information:

Name of Institute:

High institute of health sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N3127.

Credit hours:

2 Credit hours theory.

Academic year / Level:

3rd Year – 1st Semester.

Course teaching staff:

Bachelor of general medicine or master degree in pediatric nursing.

Language of teaching:

English language.

Prepared by:

Dr. Najla'a Abdullah AL-Hajiri.

Date of specification approval:

April 2019.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

This course aims to provide the student with the essential knowledge and skills needed to provide competent care to children during health and illness. Student will introduce to definition, etiology, clinical manifestation, medical and surgical management, prevention and complication of most common pediatric respiratory disorders, digestive disorders, cardiac disease, blood disorders, endocrine disorders, genitourinary system diseases, central nervous system disorders, and congenital anomalies. Also implementation the integrated management of childhood illness program (IMCI).

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Discuss definition, types, affecting factors, and stages of growth and development.
- a.2. Explain the definition, etiology, clinical feature, appropriate diagnostic tools, and treatment of common pediatric respiratory system, digestive system, central nervous system, endocrine, genitourinary system diseases.
- a.3. Demonstrate and understanding the impact of congenital and inherited diseases on children and their families.
- a.4. Determine the most common nutritional disorders affecting infants and children, and appropriate management for disorders.
- a.5. Explain how to assess, classifies, and manages the child from age 2 months to less than five years according to the IMCI guideline.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Determine types of fluids administration and drugs dosage calculation in children according to pediatric medication rules.
- b.2. Analyze cardio - vascular problems which require medical and surgical intervention.
- b.3. Predict treatment plan of common pediatric genitourinary system disorders.
- b.4. Evaluate the pediatric patients in the pre, intra, and post-operative phases.

➤ Strategies of Teaching and Learning:

1. Case study.
2. Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.
2. Group discussion evaluation.

C. Professional & Practical skills:

Not applicable.



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D. Transferable skills:

- d.1. Establish effective channels of communication with his college.
- d.2. Deal in with Collaborative way with other health team members in providing child health care & teaching.

➤ Strategies of Teaching And Learning:

- 1. Role play.
- 2. Presentation.

➤ Assessment & Evaluation Methods:

- 1. Presentation evaluation.
- 2. Role plays assessment.

Contents of the course:

I. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Orientation on the course: - Intended learning outcomes (ILOs) - Course hours. - Course outline. - Course evaluation. Introduction of pediatric medicine: Growth and Development: - Definition. - Factors affecting. - Stages. - Types. - Assessment - Common problems (Infancy, toddlers, preschool, school age, adolescent). - Infant reflexes.	2	Interactive lecture
2	Administration of fluids, electrolytes and drug dosage calculation in children.	2	Interactive lecture
Definition, etiology, signs & symptoms, diagnosis, prevention, treatment, complications & the following:			
3	Respiratory disorders: Upper respiratory tract infection: - Common cold. - Tonsillitis. - Otitis media. - Pharyngitis. - Diphtheria. - Sinusitis. Lower respiratory tract infection: - Bronchitis. - Pneumonia. - Measles. - Croup.	2	Interactive lecture Presentation

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No.	Subject	Contact hours	Learning & teaching strategies
	Tuberculosis.		
	GIT system diseases:		
4	- Infectious gastroenteritis (abdominal pain, vomiting, diarrhea, & dehydration). - Cholera. - Worm infestation. - Hirschsprung's disease. - Intussusception.	2	Interactive lecture Case study
	Nutritional disorders disease:		
5	- Marasmus. - Kwashiorkor. - Rickets.	2	Interactive lecture Presentation
	Blood disorders:		
6	- Iron deficiency anemia. - Sickle cell anemia. - Thalassemia. - Leukemia. - Hemophilia. - Aplastic anemia. - RH-Incompatibility. - Neonatal sepsis.	2	Interactive lecture
	Endocrine system:		
7	- Diabetes mellitus. - Dwarfism. - Growth hormone.	2	Interactive lecture Role play
8	Midterm exam	2	
	Genitourinary system diseases:		
9	- Acute glomerulonephritis. - Nephritic syndrome. - Urinary incontinence.	2	Interactive lecture
	Congenital anomalies:		
10	- Cleft lip and palate - Esophageal atresia - Pyloric stenosis. - Umbilical hernia. - Imperforated anus. - Hypospadias's & undescending testis. - Cerebral palsy. - Hydrocephalus. - Spinal bifida.	2	Interactive lecture Discussion
	Cardiology system diseases:		
	Rheumatic heart disease.		
	Congenital heart disease:		
11	- Atrial septal defect. - Tetralogy of fallout. - Ventricular septal defect.	2	Interactive lecture
12	Genetic diseases:	2	Interactive lecture

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منهج خاص
بالمعهد العالي للعلوم الصحية
صنعاء

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
	- Autism. - Down syndrome (DS). - Microcephalus - Mental retardation.		
13	Central nervous system: - Convulsion & coma. - Head injuries mechanisms. - Meningitis. - Incompatibility between maternal and fetal blood. - Birth injuries. - Neonatal sepsis	2	Interactive lecture Role play
14	Integrated management of childhood illness (IMCI) according to the guide: - Introduction definition of IMCI and its aims. A-The sick child from 2months until to less than five years: 1-Evaluates, classifies, and manage sick child: - Danger sings. - Main symptoms (cough, diarrhea sour throat ear problems, and fever). - Classify Measles. - Assessment malnutrition and anemia. - Assessment child vaccination status and Vit. A - Evaluation others problems. 2-Manage child: 3- Oral medication at home: - Antibiotic. - Paracetamol. - Vitamins A. - Iron. - Mebendazol. - Oral malaria medication. - Oral salbutamol. 4- Management of local infection at home.	2	Interactive lecture
15	5- Medication at health facility. 6-Child treatment. Extra fluids for diarrhea and continue of nutrition: Definition, causes (Rota Virus), dehydration, treatment plan, ORS, guidance for the mother - follow-up - assesses other problems. - Plan (A) treatment diarrhea at home. - Plan (B) treatment mild dehydration with ORS. - Plan (C) treatment severe dehydration.	2	Interactive lecture Presentation
16	Evaluation Immunization child state. 7- Follow up visits. 8-Instruction of mother (food, fluids, and mother). B-Sick child less than 2months: Evaluates, classifies, and determine treatment:	2	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
	- Treat child and advice mother. - Follow sick newborn. - Registration method.		
	Total hours	32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	20%
2	Mid-term exam.	20%
3	Final exam.	60 %
	Total	100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations (Groups).	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Mid-term exam.	8 th week
4	Final exam.	After 16 th week

Learning resources:

References:

1. Hockenberry, M., Wilson, D., and Rodgers, C., (2017): Wong's Essentials of Pediatric Nursing, 10th Edition, Mosby.
2. Lissauer, T., and Carroll, W., (2018): Illustrated Textbook of Paediatrics, 5th Edition, and Elsevier.
3. Kliegman, R.M., & Stanton, B.F., and etal . NELSON TEXTBOOK OF PEDIATRICS, (201٦), 21th edition, Elsevier. Philadelphia.

٤. الأداة الوطنية المحدث والمُعتمدة من قبل وزارة الصحة العامة والسكان اليمن - صنعاء.

Websites:

- <http://www.nursepedi.blogspot.com/>,
- <https://kundoc.com/pdf-nelson-textbook-of-pediatrics-.html>.
- <https://www.crswhitebook.org/chapters/paediatric-respiratory-diseases>.
- <http://www.shatepsm.com/blog/integrated-management-neonatal-and-childhood-illness-immaci>.



المعهد العالي للعلوم الصحية
قسم الصيدلة



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

- <https://www.alibris.com/Wonges-Essentials-of-Pediatric-Nursing-Marilyn-J.-Hockenberry-PhD-Pnp-Egan-book-8739296>.
- <https://www.alibris.com/Nursing-Care-of-Children-Principles-and-Practice-Susan-R.-James-book-4763681>.

Notes:

- Students will be provided with notes hand out prepared by the course lecturer.

Facilities Required:

1. Date show.
2. Lab top.
3. Charts and posters.
4. White board and marker.
5. Flip chart.
6. Models.
7. Library.
8. (Sim. baby), incubator, heater, ventilator, monitor and suction device.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Basic of research

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3128.

Credit hours:
1 credit hour.

Academic year / Level:
3rd Year – 1st Semester.

Course teaching staff:
Bachelor or above in health sciences, particularly those who have interest and experience in research.

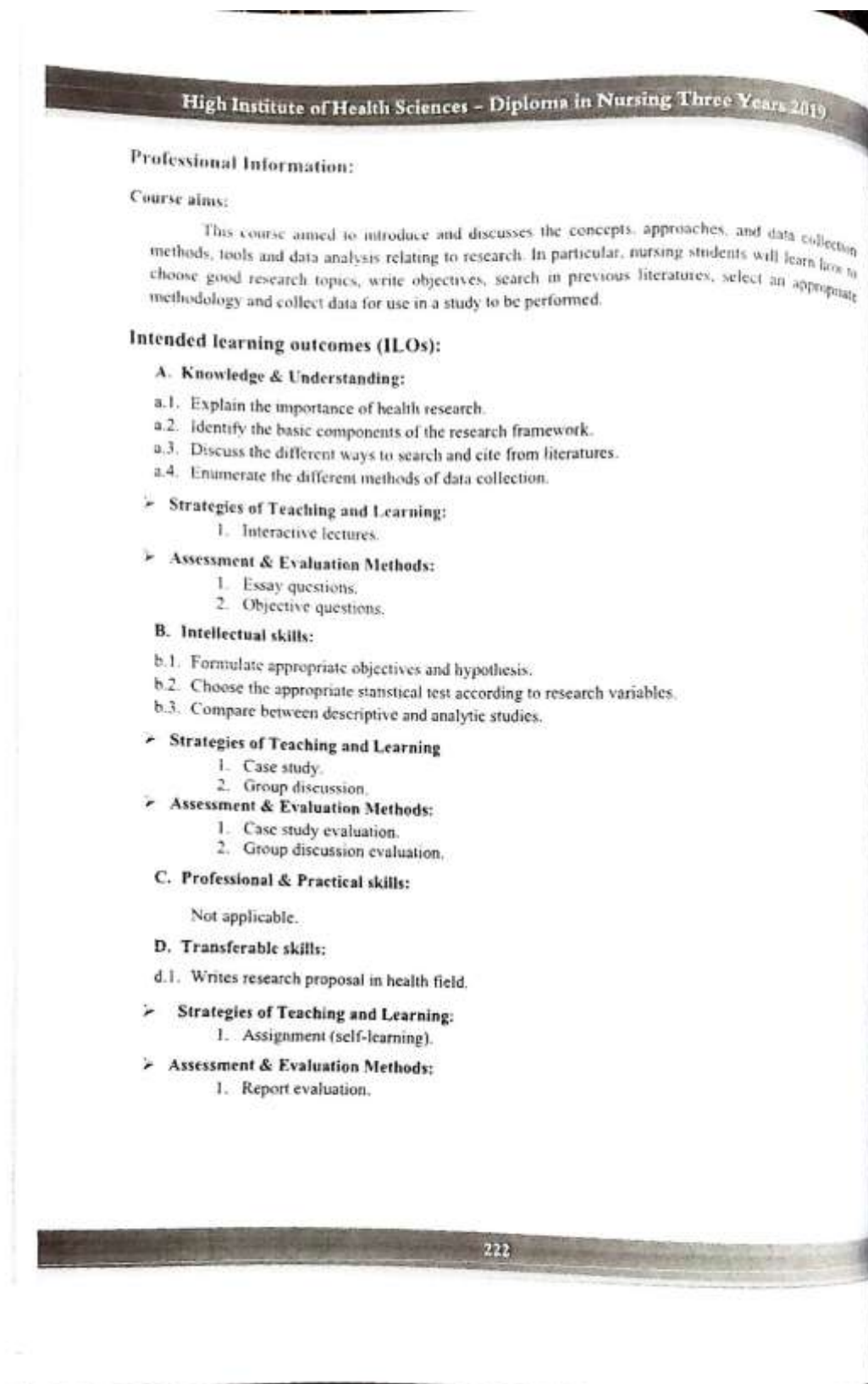
Language of teaching:
English language.

Prepared by:
Dr. Jameel Alrobai.

Date of specification approval:
April 2019.

منهج خاص
بالمعهد العالي للعلوم الصحية
صنعاء

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معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2010

مناهج خاص
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صيداء

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Overview of the course - Intended learning outcomes. - Course outlines. - Course time. - Course hours. - Course evaluation. Introduction to Research: - Meaning & definition of research. - Importance of research. - Writing research background. - Characteristics of good research.	1	Interactive lecture
2	Research Problem: - Sources of research problem. - Criteria of a good research problem. - Process of research problem selection.	1	Interactive lecture Presentation
3	Objectives and hypothesis: - Types of objectives. - Characteristics of objectives. - Writing objectives. - Formulation of hypothesis.	1	Interactive lecture
4	Literature Review: - Importance of literature review. - Purposes of literature review. - Literature review sources.	1	Interactive lecture Presentation
5	- Extracting the relevant information. - Referencing.	1	Interactive lecture Presentation
6	Study designs. Types of study: - Observational studies: - Descriptive studies. - Analytical studies.	1	Interactive lecture
7	- Experimental studies: - True experimental. - Quasi – experimental.	1	Interactive lecture Presentation
8	Midterm exam.	1	
9	Sample and Sampling methods: - Definition of study population, Sample, sampling frame & unit. - Sample size calculation.	1	Interactive lecture Presentation
10	Sampling Methods.	1	Interactive lecture

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
11	- Factors influencing sampling process. - Data collection methods and instruments: - Sources of data. - Methods of data collection. - Types of instruments.	1	Interactive lecture Presentation
12	- Reliability & Validity. - Pilot study.	1	Interactive lecture
13	- Processing and data analysis: - Data processing.	1	Interactive lecture Presentation
14	Descriptive statistics.	1	Interactive lecture
15	- Research ethics: - Ethical considerations and issues in research.	1	Interactive lecture Presentation
16	- Research structure: - Writing and arrangement of research report.	1	Interactive lecture
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Presentations.	10%
2	Quizzes.	10%
3	Midterm exam.	20%
4	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations (Groups).	Every 3 rd week
2	Quizzes.	Every 4 th week
3	Midterm exam.	8 th week
4	Final exam.	After 16 th week

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Learning resources:

References:

1. Kumar, R. (2019). Research methodology: A step-by-step guide for beginners. Sage Publications Limited.
2. Walliman, N. (2017). Research methods: The basics. Routledge.
3. Patten, M. L., & Newhart, M. (2017). Understanding research methods: An overview of the essentials. Routledge.
4. Pruzan, P. (2016). Research methodology: the aims, practices and ethics of science. Springer.

Websites:

- <https://www.nursingcenter.com>
- <https://www.ncbi.nlm.nih.gov/pubmed>

Notes:

- Notes in research methodology prepared by the course lecturer.

Facilities Required:

1. Laptop.
2. Data-show.
3. Electronic board.
4. Whiteboard.
5. Internet access.

منهج خاص
بالمعهد العالي للعلوم الصحية
صنعاء

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Health Statistics

Basic Information:

Name of Institute:

High Institute of Health Science and its branches.

Department offering the course:

Nursing department.

Code Number:

N3129.

Credit hours:

1 credit hour.

Academic year / Level:

3rd Year – 1st Semester.

Course teaching staff:

Bachelor of Health information management / Nursing.

Language of teaching:

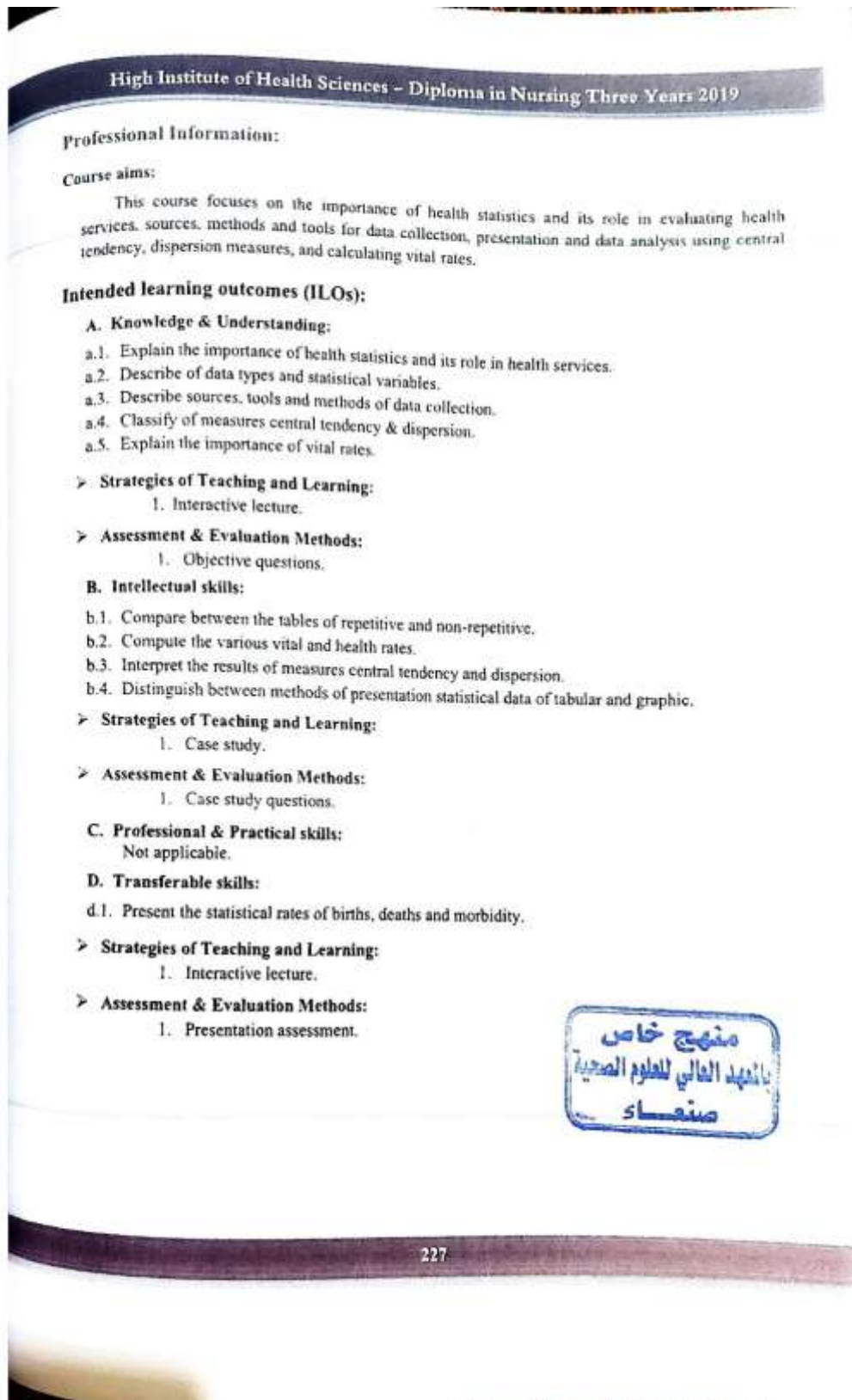
Arabic & English language.

Prepared by:

Dr. Basem Alakhali.

Date of specification approval:

April 2019.



High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Overview of the course - Intended learning outcomes. - Course outlines. - Course time. - Course hours. - Course evaluation. Introduction to Statistics and its Types: - Definition of Statistics. - Importance of Health Statistics. - The role of statistics in health services.	1	interactive Lecture
2	Types of statistical variables. Variables Connected. Separate variables. Classified and unclassified data.	1	interactive Lecture
3	Sources of data collection. Data collection methods. Data collection tools.	1	interactive Lecture
4	Data views. Open tabulator. Closed tables.	1	interactive Lecture
5	Data views. Frequency tables. Types of duplicates. Graphs and geometric shapes.	1	interactive Lecture
6	Measures of central tendency. Range. The mean of the classified and unclassified data.	1	interactive Lecture
7	The Median of the classified and unclassified data.	1	interactive Lecture
8	Midterm exam.	1	
9	The Mode of the classified and unclassified data.	1	interactive Lecture
10	Measures of dispersion. The Mean deviation of the classified data.	1	interactive Lecture
11	The Mean deviation of the unclassified data.	1	interactive Lecture
12	The variance of the classified data.	1	interactive Lecture
13	The variance of the unclassified data.	1	interactive Lecture
14	The Standard deviation of the classified data.	1	interactive Lecture
15	The Standard deviation of the unclassified data.	1	interactive Lecture
16	Vital rates. Demographic data. Mortality and morbidity rates. Infection rates.	1	interactive Lecture
Total hours		16	

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	
2	Midterm exam.	20%
3	Final exam.	20%
	Total	60%
		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Statistics using SPSS programming. Date of original publication: 2017. Atef Eid Al – Rifa.
2. Introduction to Statistics. Original Publishing Date: 2014. Author: Ayed Karim Abdoun Kanani.
3. Medical Statistics and Data Analysis Program Manual. Translated by Dr. Youssef Barakat and Nizar Abazid and Nazir Ibrahim. 27 March 2017. Arab Center for Arabization and Publishing Damascus.
4. Ahmed Abdasameea .2009. Principles of Statistics.
5. Prof. Dr. Mohamed Sobhi Abu Saleh .2013. Introduction to Statistics.
6. Dr. Kamel Fleifel. 2013. Statistics.
7. Prof. Mohamed Sobhi.2009 .Statistical methods.

Websites:

- <https://ecomang.uodiyala.edu.iq/pages?id=68>
- <https://download-learning-pdf-ebooks.com/7075-free-book>
- <http://waqfeya.com/category.php?cid=63>

Notes:

- Lectures hand out.

Facilities Required:

1. Lecture Hall.
2. Computers.
3. Data show.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Third year - Second semester



معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019.

Community Health Nursing

Basic information:

Name of Institute :
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing section.

Code Number:
N3230.

Credit hours:
2 credit hours theory.
2 credit hours clinical.

Academic year / Level:
3rd Year – 2nd Semester.

Course teaching staff:
Bachelor of nursing.

Language of teaching:
English Language.

Prepared By:
Dr.Afrah Aldubhani.

Date of specification approval:
April 2019.

منهج خاص
المعهد العالي للعلوم الصحية
مناقشة

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

In this course the student will acquire concepts and principles of nursing care to individuals, families and community. It emphasizes to apply various skills of nursing measures into practice for communicable and non communicable disease. The course includes the aspects of environmental health and the occupational disease in different setting.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Define concepts, principles of community health.
- a.2. Identify the processes and responsibilities used in Community Nursing.
- a.3. Explain the principles of the levels of preventive care.
- a.4. Mention the aspects of environmental health.

➤ Strategies of Teaching and Learning:

1. Interactive lectures.

➤ Assessment & Evaluation Methods:

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Formulate the family health and home management plan.
- b.2. Analyze determinant of health and principles of preventive measures for the control of common health problems.
- b.3. Choose specific nursing care for each common disease.

➤ Strategies of Teaching and Learning:

1. Case study.
2. Group discussion.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

- c.1. Apply appropriate surveillance measures for the individual family and community.
- c.2. Apply nursing intervention to individuals, families, and communities according primary, secondary and tertiary levels of prevention.
- c.3. Perform various health reporting, recording, reporting, and follow-up and referrals.

➤ Strategies of Teaching and Learning:

1. Clinical practice.

➤ Assessment & Evaluation Methods:

1. OSCE.

D. Transferable skills:

- d.1. Act as a member of a team work.
- d.2. Communicate and respond properly when solving public problems.
- d.3. Manage nursing role in different health care setting.
- d.4. Write appropriate authority report and notify.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019			
Strategies of Teaching and Learning: 1. Group discussion. 2. Role play. 3. Presentations. Assessment & Evaluation Methods: 1. Roles play assessment. 2. Presentation assessment. 3. Group discussion assessment.			
Contents of the course: 1. Theory Subjects:			
No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: • Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation. Orientation the Concepts of health: • Definition, concepts, principles of Community health. • Processes used in community nursing. • Responsibilities and functions of community nurse. • Factors influencing the health status of the individual and family in the community. • Services to the individual and to the family.	2	Lectures Group discussion
2	Family health: • Introduction. • Terminology. • Universal Characteristics of families. • Functions of the family. • Family structure.	2	Interactive lecture
3	Types of health problems in various sittings: • Urban. • Rural. • Industrial.	2	Interactive lectures
4	Community nursing responsibilities in various health centers: • Supervisory and management responsibilities. • Participation with communities in health plans. • Recording, reporting, follow-up and referrals	2	Interactive lectures Group discussion
5	Diseases surveillance : • Definition of surveillance. • Types of surveillance. • Levels of surveillance.	2	Interactive lectures
6	Community Study: • Introduction • Definitions • Component of the community.	2	Interactive lectures

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

No.	Subject	Contact hours	Learning & teaching strategies
7	- Factors of affecting community health. - Levels of prevention. - Introduction. - Definitions and principles. - Role of the nurse in different levels of prevention.	2	Interactive lectures Role play
8	Midterm exam.	2	
9	Health Promotion: Concepts and principles of health promotion.	2	Interactive lectures
10	Environmental health: I- Introduction: - Concepts and principles of environmental health. - Factors which influence the health of community.	2	Interactive lectures
11	II- Aspects of environmental health: - Water supply. - Sewage disposal. - Housing facilities. - Refuse collection and disposal. - Food supply. - Habits. - Pest control. - Atmospheric pollution control.	2	Interactive lectures
12	School health: - Introduction. - Definition. - Characteristic of school age. - Components of school health program. - Role of the nurse in school health program.	2	Interactive lectures
13	Occupational health: - Introduction. - Definitions. - Aim of occupational health. - Component of occupational health program. - Role of the nurse in occupational health services.	2	Interactive lectures
14	Accident preventive: - Introduction. - Definition. - Types of accidents. - Role of the nurse in prevention and measures of accidents.	2	Interactive lectures Role play
15	Handicapped and Rehabilitation: - Introduction. - Definition of handicapped. - Definition of rehabilitation. - Classification of handicapped. - Causes of handicapped. - Role of the nurse.	2	Interactive lectures
16	Home visit	2	Interactive lectures



المعهد الجامعي
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No.	Subject	Contact hours	Learning & teaching strategies
	• Introduction • Definition • Purpose of home health care • Types of home health agencies. • Role of the nurse		Role play
	Total hours	32	

2. Training Subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	• Apply levels of prevention for different health problems in the community.	6	Clinical practice
2	• Assessment the family health status.	6	Clinical practice
3	• Apply family planning.	6	Clinical practice
4	• Implement nursing care to individual, family and community about communicable and non-communicable diseases.	6	Clinical practice
5	• Record, report and write documents.	6	Clinical practice
6	• Assessment refuses collection in hospitals.	6	Clinical practice
7	• Perform the standards and guidelines of diseases surveillance.	6	Clinical practice
8	Midterm exam	6	Clinical practice
9	• Assessment refuses collection in schools.	6	Clinical practice
10	• Assessment school food services.	6	Clinical practice
11	• Assessment school environment.	6	Clinical practice
12	• Implement the levels of prevention and management school children.	6	Clinical practice
13	• Assessment Industrial environment.	6	Clinical practice
14	• Perform prevention and measures for accidents.	6	Clinical practice
15	• Providing nursing care for handicapped people.	6	Clinical practice
16	• Implement nursing care in home visits.	6	Clinical practice
	Total hours	96	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, assignments, midterm and final exams, which will be applied through essay questions, objective questions and OSCE. The assessment methods used are shown in the following table:



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No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory Midterm exam.	20%
4	Final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (community health nursing sheet).	20%
2	Clinical Midterm exam.	20%
3	Clinical Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Theory midterm exam.	8 th week
4	Case studies (community health nursing sheet).	Every week
5	Clinical midterm exam.	8 th week
6	Final clinical exam.	After 16 th week
7	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Public Health Nursing: Population-Centered Health Care in the Community 2019 (9th edition).
2. Community/Public Health Nursing: Promoting the Health of Populations 7th Edition (2018).

Websites:

- <https://www.nursingcenter.com/continuing-education>
- <https://cna-aaic.ca/en/policy-advocacy/community-health-care>

Notes:

- Notes prepared by the course lecturer.

Facilities Required:

1. Whiteboard.
2. Data show.
3. Video Films.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Community Medicine

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing section.

Code Number:
N3231.

Credit hours:
2 credit hours theory.

Academic year / Level
3rd Year – 2nd Semester.

Course teaching staff:
Bachelor of general medicine / nursing / community medicine.

Language of teaching:
English Language.

Prepared By:
Dr. Afrah Aidubhani.

Date of specification approval:
April 2019 .

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Professional Information:

Course aims:

This course is designed to assist students to acquire knowledge related to community health problems and how to control and prevention them. It emphasizes to include the varieties of health care settings and at home.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Define concepts and principles of community medicine.
- a.2. Identify the processes, responsibilities used in administration and health system.
- a.3. Describe the epidemiology of common communicable and non-communicable diseases.
- a.4. Mention the aspects of environmental health.

➤ **Strategies of Teaching and Learning:**

1. Interactive Lectures.
2. Field visit.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Formulate the management plan of the common health problems.
- b.2. Analyze determinant of occupational health hazards.
- b.3. Evaluate the preventative and a curative measure for each communicable disease.
- b.4. Interpret the traditional habits and their impact on health.

➤ **Strategies of Teaching and Learning:**

1. Case study.
2. Brainstorming.
3. Group discussion.

➤ **Assessment & Evaluation Methods:**

1. Case study questions.
2. Group discussion assessment.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Act as a member of a team work.
- d.2. Communicate and respond properly when solving public problems.
- d.3. Manage the curative plan in different health care setting.

➤ **Strategies of Teaching and Learning:**

1. Group discussion.
2. Role play.
3. Presentations.

➤ **Assessment & Evaluation Methods:**

1. Role plays assessment.
2. Presentation assessment.
3. Group discussion assessment.

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Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
Course Overview:			
	- Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation.		
1	Introduction to community medicine: - Definition, concepts, principles of Community health medicine. - Processes used in community medicine. - Responsibilities and functions of community health provider. - Factors and hazards influencing the health in the community.	2	Lectures Group discussion
2	Health services administration. - Health care management. - Principles of administration and health system. - Quality of care.	2	Interactive lecture
3	Women's Health - Introduction. - Define women health. - Importance of women health. - Factors affecting women's health. - Women's health issues. - Women's health needs in different phases of her lives.	2	Interactive
4	Rural health: - Introduction. - Define rural. - Factors influence rural health. - Problems in rural health community rural health services.	2	Interactive lectures
5	Urban health: - Introduction. - Define urban. - Factors influence rural health. - Problems in rural health community rural health services.	2	Interactive lectures
6	Measurement of health: - Morbidity indicators. - Mortality indicators. - Fertility indicators.	2	Interactive lectures
7	Demography: - Introduction. - Definitions. - Population size.	2	lectures

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No.	Subject	Contact hours	Learning & teaching strategies
	- Population change. - Population structure.		
8	Midterm exam.	2	
9	Non communicable diseases. - Cardiovascular disease. - Diabetes Mellitus.	2	Interactive lecture Case study
10	- Cancer. - Hypertension. - Obesity.	2	Interactive lecture Case study
11	Communicable diseases. - Malaria. - Rabies.	2	Interactive Lecture Role play
12	- Schistosomiasis. - HIV. - Hepatitis.	2	Interactive lecture
13	- Tuberculosis. - Cholera.	2	Interactive lecture
14	- Influenza. - Avian Influenza.	2	Interactive lecture
15	Geriatric health: - Introduction. - Define geriatric period. - Physical and psychological changes in geriatric period. - Factors influence geriatric health. - Geriatric needs. - Geriatric health services.	2	Interactive lectures
16	Life style risk Factors: - Tobacco smoking - Dietary practices.	2	Interactive Lecture Presentations
Total hours		32	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

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Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	
2	Midterm exam.	Every 3 rd week
3	Final exam.	8 th week After 16 th week

Learning resources:

References:

1. Textbook of community Medicine- preventive and Social Medicine. Department of Community Medicine, GMERS Medical College Sola, Ahmedabad, Gujarat, India (2017).

Websites:

- <https://www.nursingcenter.com/continuing-education>
- <https://europa.eu/en/policy-advocacy/community-health-care>
- <https://www.who.int/>

Notes:

- Community medicine notes

Facilities Required:

1. Whiteboard.
2. Data show.
3. Video Films.

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Mental Health Nursing

Basic Information:

Name of institute:

High Institute health sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N3232.

Credit hours:

2credit hours theory.

2 credit hours clinical.

Academic year / Level:

3rd Year – 2nd Semester.

Course teaching staff:

Bachelor of nursing.

Language of teaching:

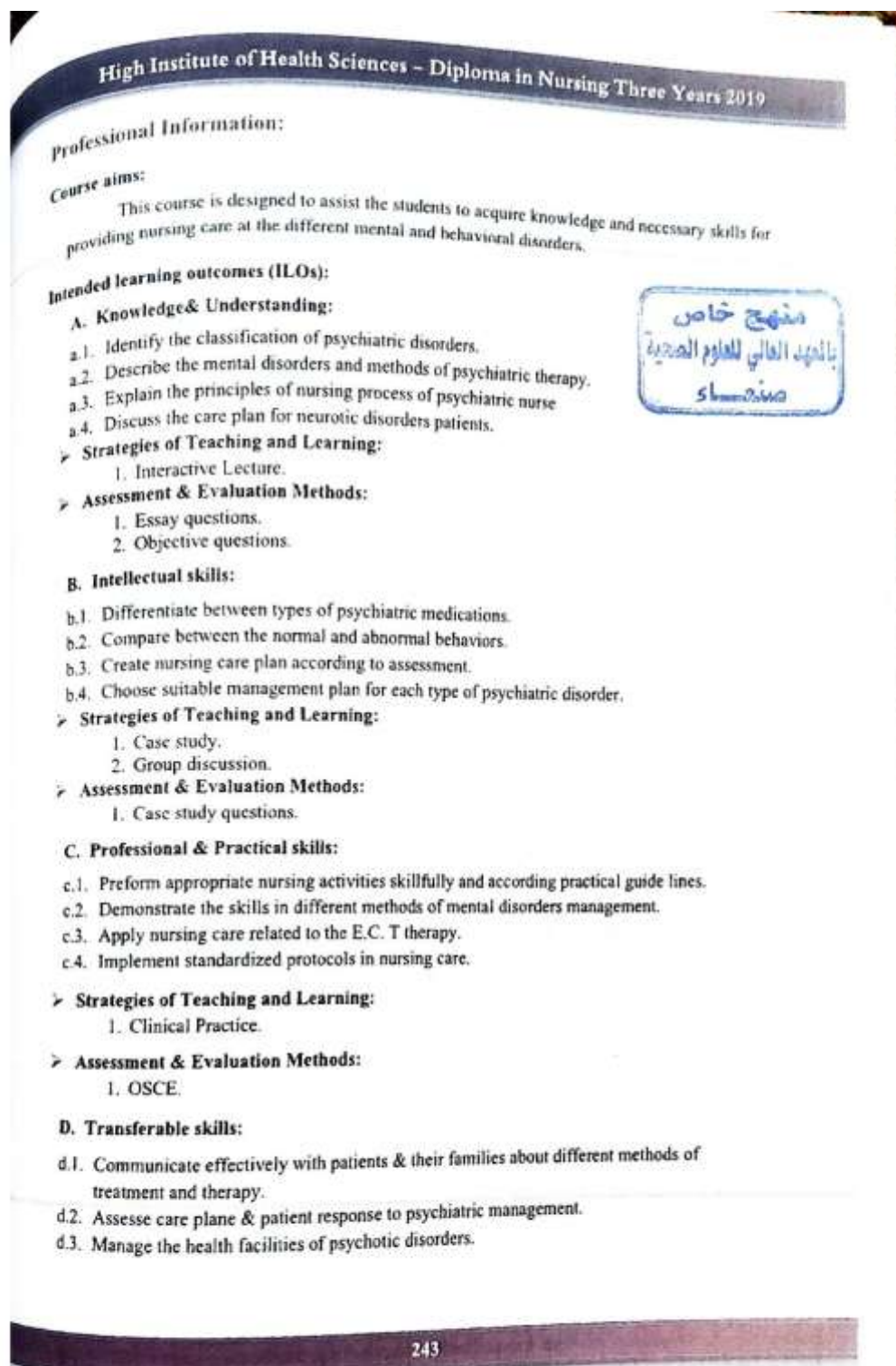
English Language.

Prepared by:

Dr. Aml Abdullah Ali Algalal.

Date of specification approval:

April 2019.



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Strategies of Teaching and Learning:

1. Written Reports.
2. Case study.
3. Group assignments.
4. Play a role.
5. Field visit.

Assessment & Evaluation Methods:

1. Report assessment.
2. Presentation assessment.
3. Case study questions.
4. Evaluate for playing a role.
5. Make work plan.

Contents of the course:

1. Theory Subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. - Introduction to mental health and psychiatric nursing. - Importance of psychiatric nursing. - Psychiatric patient and milieu. - Psychiatric team.	2	Interactive Lecture
2	- Administration and regulation role of psychiatric nursing. - Principles of psychiatric nursing.	2	Interactive Lecture Role play
3	Nursing process of psychotic disorders: Schizophrenia.	2	Interactive Lecture & Cause study
4	Mania.	2	Interactive Lecture
5	Depression.	2	Interactive Lecture
6	Nursing care for some psychiatric health disorders: - Sexual deviation. - Addiction.	2	Interactive Lecture
7		2	Interactive Lecture
8	Midterm exam.	2	
9	Psychosomatic disorders.	2	Interactive Lecture
10	Nursing role in different of psychiatric Treatment: E.C.T (electroconvulsive therapy).	2	Interactive Lecture
11	Behavioral disorders nursing care for: - Sleep. - Eating.	2	Interactive Lecture
12	Nursing process of neurotic disorders - Anxiety. - Phobia.	2	Interactive Lecture Group decision
13	Hysteria (conversion disorder).	2	Interactive Lecture

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No.	Subject	Contact hours	Learning & teaching strategies
14	• Obsessive compulsive neurosis.	2	Interactive Lecture
15	• Psychosis.	2	Interactive Lecture
16	Nursing process for Organic psychosis (dementia – delirium).	2	Interactive Lecture
	Total hours	32	

2. Training Subjects:

N.	Subject	Contact hours	Lab. Hospital, field
1	Take psychiatric history.	6	Hospital practice
2	Recording & Reporting.	6	Hospital practice
3	Apply nursing process for the following: • Schizophrenia patient.	6	Hospital practice
4	• Mania.	6	Hospital practice
5	• Depression.	6	Hospital practice
6	Apply nursing process for the following: • Sexual.	6	Hospital practice
	• Addiction.		
7	Apply nursing process for the following: • Psychosomatic disorders.	6	Hospital practice
8	Apply nursing process for the following: • Patient with E.C.T.	6	Hospital practice
9	Midterm exam.	6	
10	Apply nursing process for Behavioral disorders: • Sleep.	6	Hospital practice
	• Eating.		
11	Apply nursing process for neurotic disorders: • Anxiety.	6	Hospital practice
	• Phobia.		
12	• Hysteria (conversion disorder).	6	Hospital practice
13	• Obsessive compulsive neurosis.	6	Hospital practice
14	• Psychosis.	6	Hospital practice
15	Apply Nursing process for Organic psychosis: • Dementia.	6	Hospital practice
16	• Delirium.	6	Hospital practice
	Total hours	96	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions, objective questions and OSCE. The assessment methods used are shown in the following table:

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No.	Evaluation method	Percentage
Theory		
1	Assignments.	10%
2	Quizzes.	10%
3	Theory midterm exam.	20%
4	Final exam.	60%
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Case studies (community health nursing sheet).	20%
2	Clinical midterm exam.	20%
3	Clinical final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Presentations.	Every 2 nd week
2	Quizzes.	Every 3 rd week
3	Midterm theoretical exam.	8 th week
4	Case studies (community health nursing sheet).	Every week
5	Midterm clinical exam (OSCE).	9 th week
6	Final clinical exam (OSCE).	After 16 th week
7	Final theoretical exam.	After 16 th week

Learning resources:

References:

1. Nursing Mental Health (الطبعة الأولى) 2017. (سعد حسن العزة)
2. الطب النفسي بين الشرق والغرب.
3. التمريض النفسي والصحة العقلية جامعة الأنبار (٢٠١٨).
4. الطب النفسي المبسطل جيمس ويليس السنة (٢٠١٧) الطبعة الخامسة.
5. كتاب الطب النفسي وهموم الناس (الطب الشرعي) منشأة المعارف بالإسكندرية (٢٠١٧) (الطبعة الأولى).
6. تمريض الصحة العقلية – المملكة المتحدة (٢٠١٩).

Websites:

- www.philadelphia.edu.jo
- www.rakhawy.Net
- www.ashrafkamal77.forumarabia.com
- www.ar.m.wikipedia.org.wik
- www.abijad.com.book
- www.study-health care.com

Notes

- Notes prepared by the course lecturer

Facilities Required:

1. Appropriate teaching class.
2. Computers and data show.
3. Video Film.
4. Wight board.

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Psychiatric medicine

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3233.

Credit hours:
1 credit hour.

Academic year / Level:
3rd Year – 2nd Semester.

Course teaching staff:
Bachelor of general medicine or psychiatrist.

Language of teaching:
English language.

Specification prepared by:
Dr. Sami Almoayad, MD.

Date of specification approval:
April 2019.

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Professional Information:

Course aims:

To provide students with basic knowledge of common psychiatric clinical features and disorders with understanding the profound effects of the mind on the body so that the graduate can provide holistic nursing care for cases as well as educate patients, relatives and community on common psychiatric disorders.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. List the most common psychiatric disorders.
- a.2. Explain some major effects of the mind on the body.
- a.3. Identify typical signs and symptoms of common psychiatric disorders.

➤ **Strategies of Teaching And Learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation Methods:**

1. Objective questions.
2. Essay questions.

B. Intellectual Skills:

- b.1. Assess psychiatric status of patients for better dealing with them.
- b.2. Predict underlying psychiatric factors that might impact compliance of patients and course of disease.
- b.3. Distinguishes abnormal psychiatric manifestations and get them reported.
- b.4. Predict risky or violent behavior or action by some psychiatric patients.

➤ **Strategies of Teaching And Learning:**

1. Role play.
2. Case study.
3. Group discussion.

➤ **Assessment & Evaluation Methods:**

1. Role acting assessment.
2. Case study questions.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Communicate with psychiatric patients and relatives appropriately and effectively.
- d.2. Plan and present sessions for generally educating patients, relatives and community on common psychiatric disorders.

➤ **Strategies of Teaching and Learning:**

1. Role play.
2. Presentation.
3. Group discussion.

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Assessment & Evaluation Methods:

1. Role plays evaluation.
2. Presentation evaluation.
3. Group discussion evaluation.

Contents of the course:

1. Theory subjects:

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No.	Subject	Contact hours	Learning & teaching strategies
Course Overview:			
	• Intended learning outcomes of the course. • Course hours. • Course outlines. • Course evaluation.		
1	Introduction to of psychiatry medicine. - Introduction. - Definitions and sub-specialties of psychiatry. - Terminology.	1	Interactive lecture
2	Classification of psychiatric diseases: - Psychosis. - Neurosis. - Major and Minor disorders.	1	Interactive lecture
3	Clinical features of psychiatric diseases: (appearance-emotion-thinking-behavior)	1	Interactive lecture and role play
4	Clinical features of psychiatric diseases (speech-activity-higher mental functions) & evaluation.	1	Interactive lecture and role play
Definition, Causes, Types, Symptoms, and Treatment of the following:			
5	Psychotic disorders, Schizophrenia and others.	1	Interactive lecture and role play
6	Addiction, Dependence and Habituation.	1	Interactive lecture
7	Mood disorders, Major depression and Mania.	1	Interactive lecture and role play
8	Midterm exam.	1	
9	Neurotic disorders, Anxiety and Phobia.	1	Interactive lecture and role play
10	Neurotic disorders, Anxiety and Phobia, Symptomatology of anxiety – deep approach in Yemen.	1	Interactive lecture and role play
11	The Mind-Body interconnection (Effects of the mind on the body with examples).	1	Interactive lecture and role play
12	The Mind-Body interconnection (Effects of the mind on the body with examples).	1	Interactive lecture and role play
13	Neurotic disorders, conversion disorder.	1	Interactive lecture and role play
14	Neurotic disorders, Dissociative disorders and Obsession.	1	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
			and role play
15	Organic Brain Syndrome, OBS Delirium- dementia- Personality disorders.	1	Interactive lecture and role acting
16	Anorexia Nervosa, Premenstrual Syndrome Postpartum Psychosis and Menopause Distress.	1	Interactive lecture and role acting
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	20%
2	Midterm exam.	20%
3	Final exam.	60%
Total		100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Midterm exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

1. Kaplan And Sadocks Synopsis of Psychiatry, Tenth Edition- May, 16 2007.
2. Current Medical Diagnosis and Treatment, Nineteenth edition- 2017.

Websites:

- American Psychiatric Association (www.psychiatry.org)
- Mental health (www.mentalhealth.com)
- Medical News Today (www.mentalnewstoday.com)

Notes:

- Psychiatry notes by course instructor.

Facilities Required:

1. Lab-top computer.
2. Data - show machine.
3. More recent editions of reference books.

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Nursing Administration

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3234.

Credit hours:
1 Theory credit hour.
1 credit clinical hour.

Academic year / Level:
3rd Year – 2nd Semester.

Course teaching staff:
Bachelor of nursing.

Language of teaching:
English language.

Prepared by:
Dr. Yosef Alsha'abi.

Date of specification approval:
April 2019.

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Professional Information:

Course aims:

In this course, students will be introduced to the nursing administration in health facilities, job description tasks, structure of hospital and nursing services quality of nursing practice, health policy, administration of equipment and supplies.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Describe the nursing administration in health facilities.
- a.2. Discuss the nursing job description tasks in hospital and health facilities.
- a.3. Identify the structure of hospital and nursing services.
- a.4. Explain the quality of nursing practice standards.
- a.5. Describe the administration of equipment and supplies.
- a.6. Explain the schedule of nursing staff, motivation and work development.
- a.7. Identify the nursing planning, monitoring, reporting and evaluation of nursing care.

➤ Strategies of Teaching and Learning:

1. Interactive lecture.

➤ Assessment & Evaluation Methods:

1. Objective questions.
2. Essay questions.

B. Intellectual skills:

- b.1. Analysis health policy in hospital and provide creative suggestions for quality improvement policies and processes.
- b.2. Select the effective new technology in nursing care management.
- b.3. Analyze the quality of nursing practice and select the quality standards of practice to implement it in hospital.

➤ Strategies of Teaching and Learning:

1. Case study.

➤ Assessment & Evaluation Methods:

1. Case study questions.

C. Professional & Practical skills:

- c.1. Perform appropriate nursing activities skillfully and according practical guide lines.
- c.2. Demonstrate the skills in different methods of nursing administration.
- c.3. Implement standardized protocols in nursing care.

➤ Strategies of Teaching and Learning:

1. Clinical Practice.

➤ Assessment & Evaluation Methods:

1. OSCE.

D. Transferable skills:

- d.1. Communicate effectively with individuals, families, and community.
- d.2. Manage time and resources effectively and set priorities.

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d.3. Work efficiently within the health care team.

➤ **Strategies of Teaching and Learning:**

1. Filed visit.
2. Writ report.
3. Presentation.

➤ **Assessment & Evaluation Methods:**

1. Presentation evaluation.
2. Report evaluation.

Contents of the course

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Introduction on nursing administration: - Introduction about nursing management. - Importance of nursing management in the practical field.	1	Interactive lecture
2	Health structure: - Structure of MOH. - Structure of different level hospitals. - Relation between all structure components. - Nursing structure in all health facilities.	1	Presentation Group discussion
3	Nursing managers rolls and Job description: - Different levels of nursing managers and role of every person. - Job description of deferent nursing level.	1	Interactive lecture
4	Team work building in health facilities: - Health team workers in hospital and health facilities. - Importance of team work. - Relationship between team work and nursing role. - Delegation and cooperation.	1	Group discussion
5	Nursing management for admission and discharged process: - Process of admission. - Patient file (manual and electronic). - Process of discharge.	1	Presentation Group discussion
6	Management of equipment and supplies in health facilities: - Supplies, equipment's, medicines, and other health ins- truments in the department in hospital. - Requirements' process. - Records. - Maintenance.	1	Interactive lecture
7	Planning for nursing care: Planning for nursing care.	1	Presentation Group

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No.	Subject	Contact hours	Learning & teaching strategies
	- Implementation. - Evaluation and assessments. - Feedback and reviewing.		discussion
8	Midterm exam.	1	
9	Monitoring and evaluation. - Mentoring of nursing management. - Monitoring of nursing practice. - Evaluation and assessment tools and standards. - Feedback and reviews and new intervention.	1	Presentation Group discussion
10	Nursing documentation process and reports: - Documentation frame work. - Daily and annually nursing document process and policy - Medical file and reports.	1	Interactive lecture
11	Quality of nursing care and infection control management: - Quality concepts and process for nursing care. - Quality tools and standards. - Examples of quality standards for nursing care in GCI - Infection control standards.	1	Interactive lecture
12	Creative and problem solving: - Type of problems and methods of solution. - Creative thinking for problems solving and work development.	1	Presentation Group discussion
13	Health policy (duties and rights): - Nursing rights. - Nursing duties in health facilities. Motivation: - Maslow theory for motivation. - Type of motivation and importance of motivation in quality of nursing care.	1	Interactive lecture
14	Nursing care and used new technology: - New technology in nursing care with examples. - Importance of continuous of conveying of new technology in nursing care and used of networking.	1	Interactive lecture
15	Nursing leadership and nursing development: - Nursing leadership characteristics. - How can strengthen nursing profession at all levels.	1	Interactive lecture
16	Waste management: - Type of waste and how can manage every type of waste. - Policy of prevention from infection of waste.	1	Group discussion
Total hours		16	

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2. Training subjects:

N.	Subject	Contact hours	Lab, Hospital, field
Apply following skills according to practical manual			
1	Nursing management for admission and discharged process.	3	Hospital & MHCs
2	Prepare nursing duties schedule.	3	Hospital & MHCs
3	Prepare nursing duties schedule.	3	Hospital & MHCs
4	Prepare nursing duties schedule.	3	Hospital & MHCs
5	Supplies ordering.	3	Hospital & MHCs
6	Supplies ordering.	3	Hospital & MHCs
7	Laundry planning.	3	Hospital & MHCs
8	Laundry planning.	3	Hospital & MHCs
9	Midterm exam.	3	Hospital & MHCs
10	Meal planning.	3	Hospital & MHCs
11	Meal planning.	3	Hospital & MHCs
12	Nursing report.	3	Hospital & MHCs
13	Nursing report.	3	Hospital & MHCs
14	Receipt and delivery in the rotations system.	3	Hospital & MHCs
15	Receipt and delivery in the rotations system.	3	Hospital & MHCs
16	Receipt and delivery in the rotations system.	3	Hospital & MHCs
Total hours		48	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, midterm and final exams, which will be applied through essay questions, objective questions and OSCE. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Quizzes.	10%
2	Assignments.	10%
3	Theoretical Mid-term exam.	20%
4	Theoretical Final exam.	60 %
Total		100%

No.	Evaluation method	Percentage
Clinical		
1	Clinical midterm exam.	40%
2	Clinical final exam.	60%
Total		100%

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Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Presentations (Groups).	Every 2 nd week
3	Theory Midterm exam.	8 th week
4	Theory Final exam.	After 16 th week
5	Clinical Midterm exam.	9 th week
6	Clinical final exam.	After 16 th week

Learning resources:

References:

1. Hospital administration, 2nd edition, BN 818061-154x 2016.
2. Effective Leadership and management in Nursing seven edition ISBN 0-13-178094-8 2016.

Websites:

- www.prenhall.com/oncky
- www.jaypeebrothers.com

Notes:

- Students will be provided with Notes in nursing administration prepared by the course lecturer.

Facilities Required:

1. Laptop.
2. Data-show.
3. White board or electronic board.
4. Whiteboard marker pens in different colors.



معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Communication and Health Education

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N3235.

Credit hours:

2 Theory credit hours.

1 Credit clinical hour.

Academic year / Level:

3rd Year – 2nd Semester.

Course teaching staff:

Bachelor of nursing or public health /community health.

Language of teaching:

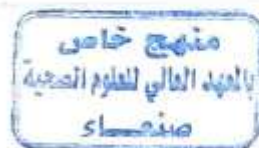
English language.

Prepared by:

Dr. Abeer Mahmood Mashaal Gahdar.

Date of specification approval:

April 2019.





المعهد الجامعي
للعلوم الطبية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

The goal of the communication and health education course is to provide nursing students with a broad base of knowledge in communication and health education in order to enable the participation in educating the patients and community in their work place.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Explain the concepts, elements and important of communication process in educating the patients and their families.
- a.2. Discuss the types, factors, barriers of communication.
- a.3. Clarify the relation of communication with health education and nurse role and counseling.
- a.4. Discuss the concept, important and different manners of health education.

➤ **Strategies of Teaching and Learning:**

1. Interactive lecture.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective questions.

B. Intellectual skills:

- b.1. Compare between types of communication.

➤ **Strategies of Teaching and Learning:**

1. Role play.
2. Group discussion.
3. Case study.

➤ **Assessment & Evaluation Methods:**

1. Role plays assessment.
2. Group discussion assessment.
3. Case study questions.

C. Professional & Practical skills:

- c.1. Perform appropriate nursing activities skillfully and according practical guide lines.
- c.2. Demonstrate the skills in different methods of communication and health education in different situations.

➤ **Strategies of Teaching and Learning:**

1. Clinical Practice.

➤ **Assessment & Evaluation Methods:**

1. OSCE.

D. Transferable skills:

- d.1. Make plan of education session for patients in admission wards.
- d.2. Work effectively with a team in different situation.

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➤ Strategies of Teaching and Learning:

1. Role play.
2. Presentation.

➤ Assessment & Evaluation Methods:

1. Presentation assessment.
2. Evaluation of role play.

منهج خاص
بالمعهد العالي للعلوم الصحية
صنعاء

Contents of the course:

1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Course Overview: - Intended learning outcomes of the course. - Course hours. - Course outlines. - Course evaluation. Introduction. - Concept of communication - Concept of counseling. - Components of communication.	2	Interactive lecture
2	Types of communication: 5. Verbal communication. 6. Nonverbal communication. Other types: 7. Individual communication. 8. Group communication. 9. Community communication.	2	Interactive lecture
3	Communication skills and dealing with different behaviors patterns.	2	Interactive lecture Role play
4	Communication aids.	2	Interactive lecture Presentation
5	- Successful communication process factors. - Communication barriers. - Relationship of communication concept with health education.	2	Interactive lecture+ discussion
6	- Concept of health education. - Health education principles. - Objectives of health education. - Nurse's role in health education.	2	Interactive lecture Presentation
7	Health and Behavior: - Main causes of behavior change. - Ways of behavior change. - Steps of behavior change.	2	Interactive lecture
8	Midterm exam	2	

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No.	Subject	Contact hours	Learning & teaching strategies
9	Counseling: • Counseling rules. Steps of counseling implementation.	2	Presentation
10	Health education methods: • Individual methods.	2	Interactive lecture
11	• Group methods.	2	Interactive lecture
12	• Mass media.	2	Interactive lecture
13	Health Problems priorities. Health problems analysis.	2	Interactive lecture + Role play
14	Health Education session: • Make plan of session.	2	Interactive lecture + presentation
15	• Implementing the session.	2	Role play
16	• Practical implementing the educational session.	2	Role play
Total hours		32	

2. Training subjects:

N.	Subject	Contact hours	Lab. Hospital, field
Apply communication & health education skills according to practical manual			
1	10. Verbal & Nonverbal communication. 11. Individual, group, & community communication. • Communication and dealing with different behaviors patterns.	3	Hospital & MHCs
2	• Apply nurse's role in health education. • Apply Health education principles.	3	Hospital & MHCs
3	Apply Counseling: • Counseling implementation about family planning & • Breast feeding.	3	Hospital & MHCs
4	Health education methods: Make plan of session.	3	Hospital & MHCs
5	Implementing the health education session.	3	Hospital & MHCs
6	• Preparation of brochure.	3	Hospital & MHCs
7	• Preparation of out spread.	3	Hospital & MHCs
8	Practical implementing the educational session different health issues. • Perform health education session about personal hygiene	3	Hospital & MHCs
9	Mid-term exam	3	Hospital & MHCs
10	• Perform health education session about food safety.	3	Hospital & MHCs
11	• Perform health education session in health center about mother vaccination. • Perform health education session in health center	3	Hospital & MHCs



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N.	Subject	Contact hours	Lab. Hospital, field
	about child vaccination.		
12	• Perform health education session in health center about family planning.	3	Hospital & MHCs
13	• Perform health education session in health center about antenatal care.	3	Hospital & MHCs
14	• Perform health education session in health center about pregnancy women nutrition	3	Hospital & MHCs
15	• Perform health education session in health center about child nutrition.	3	Hospital & MHCs
16	• Perform health session education session about Oral rehydration therapy (ORS).	3	Hospital & MHCs
	Total hours	48	

Evaluation of course:

Evaluation of students:

In this course, students will be subjected to various ongoing assessments involves quizzes, case studies, assignments, midterm and final exams, which will be applied through essay questions and objective questions. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
Theory		
1	Quizzes.	10%
2	Assignments.	10%
3	Mid-term exam.	20%
4	Final exam.	60 %
	Total	100%

No.	Evaluation method	Percentage
Clinical		
1	Clinical midterm exam.	40%
2	Clinical final exam.	60%
	Total	100%

Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 3 rd week
2	Presentations (Groups).	Every 2 nd week
3	Theory Midterm exam.	8 th week
4	Theory Final exam.	After 16 th week
5	Clinical Midterm exam.	9 th week
6	Clinical final exam.	After 16 th week

High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Learning resources:

References:

1. Communication in Nursing Pdf. Hilary Bush Published. 2019.
2. Wa chel, P. Therapeutic Communication, knowing what to say when. 2017(book).
3. Barbara S, nursing: Health Education and Improving patient self – Management. 2018 – springer.

Notes:

- Students will be provided with Notes in this subject prepared by the course lecturer.

Facilities Required:

1. Laptop
2. Data show.

High Institute of Health Sciences - Diploma in Nursing Three Years 2019

Epidemiology

Basic Information:

Name of Institute:
High Institute of Health Sciences and its branches.

Department offering the course:
Nursing department.

Code Number:
N3236.

Credit hours:
1 credit hour.

Academic year / Level:
3rd Year - 2nd Semester.

Course teaching staff:
Master /Bachelor community health or nursing.

Language of teaching:
English language.

Prepared by:
Dr. Gameel Alrobaai.

Date of specification approval:
April 2019.

منهج خاص
بالمعهد العالي للعلوم الصحية
بمناقشة

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High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Professional Information:

Course aims:

The aim of this course is to provide the nursing students with basic principles, concepts, and procedures related to epidemiology. In particular, the course focuses on the pattern of occurrence of common communicable and non-communicable diseases in the community and its effect on national health status, which are then expected to apply the knowledge and skills to control and prevent such diseases.

Intended learning outcomes (ILOs):

A. Knowledge & Understanding:

- a.1. Define the general terms and concepts related to epidemiology.
- a.2. Enumerate uses and objectives of epidemiology.
- a.3. Discuss the uses of iceberg model in disease control.
- a.4. Explain the principles of epidemiology, prevention, surveillance, screening and investigation.
- a.5. Identify the epidemiological cycle for disease occurrence and the relationship between agent, host and environment.

➤ **Strategies of Teaching and Learning:**

1. Interactive lectures.

➤ **Assessment & Evaluation Methods:**

1. Essay questions.
2. Objective question.

B. Intellectual skills:

- b.1. Analyze determinants of health in human populations.
- b.2. Choose the suitable preventive measures for each health problem.
- b.3. Recognize the uses of different epidemiological studies and measures of risk.

➤ **Strategies of Teaching and Learning:**

1. Group discussion.
- 2.

➤ **Assessment & Evaluation Methods:**

1. Group discussion evaluation.

C. Professional & Practical skills:

Not applicable.

D. Transferable skills:

- d.1. Communicate effectively with individuals, families, and communities.
- d.2. Work effectively with a team.
- d.3. Manage his/her time effectively.

➤ **Strategies of Teaching and Learning:**

1. Role play.

➤ **Assessment & Evaluation Methods:**

1. Role plays evaluation.



معهد الجامعة
للعلوم الصحية



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

مناهج خاص
بالمعهد العالي للعلوم الصحية
قسم الصيدلة

Contents of the course:
1. Theory subjects:

No.	Subject	Contact hours	Learning & teaching strategies
1	Overview of the course: - Intended learning outcomes. - Course outlines. - Course time. - Course hours. - Course evaluation. Introduction: - Definition of epidemiology. - Brief history of epidemiology. - Objectives of epidemiology. - Uses of epidemiology.	1	Interactive lecture
2	Concepts of Disease Occurrence: - Epidemiologic triangle (Triad). - Disease cycle.	1	Interactive lecture
3	Uses of iceberg model in disease control	1	Interactive lecture
4	Chain of Infection: - Links in the chain. - Infectious agent. - Reservoir. - Portal of exit. - Modes of transmission. - Portal of entry. - Host.	1	Interactive lecture
5	Break the chain of infection.	1	Interactive lecture Group discussion
6	Levels of prevention: - Definition of prevention. - Levels of prevention: - Primordial prevention. - Primary prevention.	1	Interactive lecture
7	- Secondary prevention. - Tertiary prevention.	1	Interactive lecture
8	Midterm exam.	1	
9	Methods of control of communicable diseases: Main control measures.	1	Interactive lecture Case study
10	- General control measures. - Nurses role in control and preventive measures.	1	Interactive lecture
11	Measurement of risk: Frequency Measures.	1	Interactive lecture

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No.	Subject	Contact hours	Learning & teaching strategies
12	- Morbidity Measures. - Mortality Measures. - Fatality Measures. - Association Measures.	1	Interactive lecture
13	Surveillance, screening and outbreak investigation: - Definitions and concepts of surveillance, screening and outbreak investigation. - Steps of surveillance.	1	Interactive lecture
14	- Steps of screening and outbreak investigation. - Ethical issues in surveillance and screening.	1	Interactive lecture
15	Epidemiological studies: Observational study.	1	Interactive lecture
16	Experimental study.	1	Interactive lecture
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, the students will be subjected to various ongoing assessments involves assignments, case study, quizzes, midterm and final exams. The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Quizzes.	20%
2	Mid-term exam.	20%
3	Final exam.	60%
Total		100%

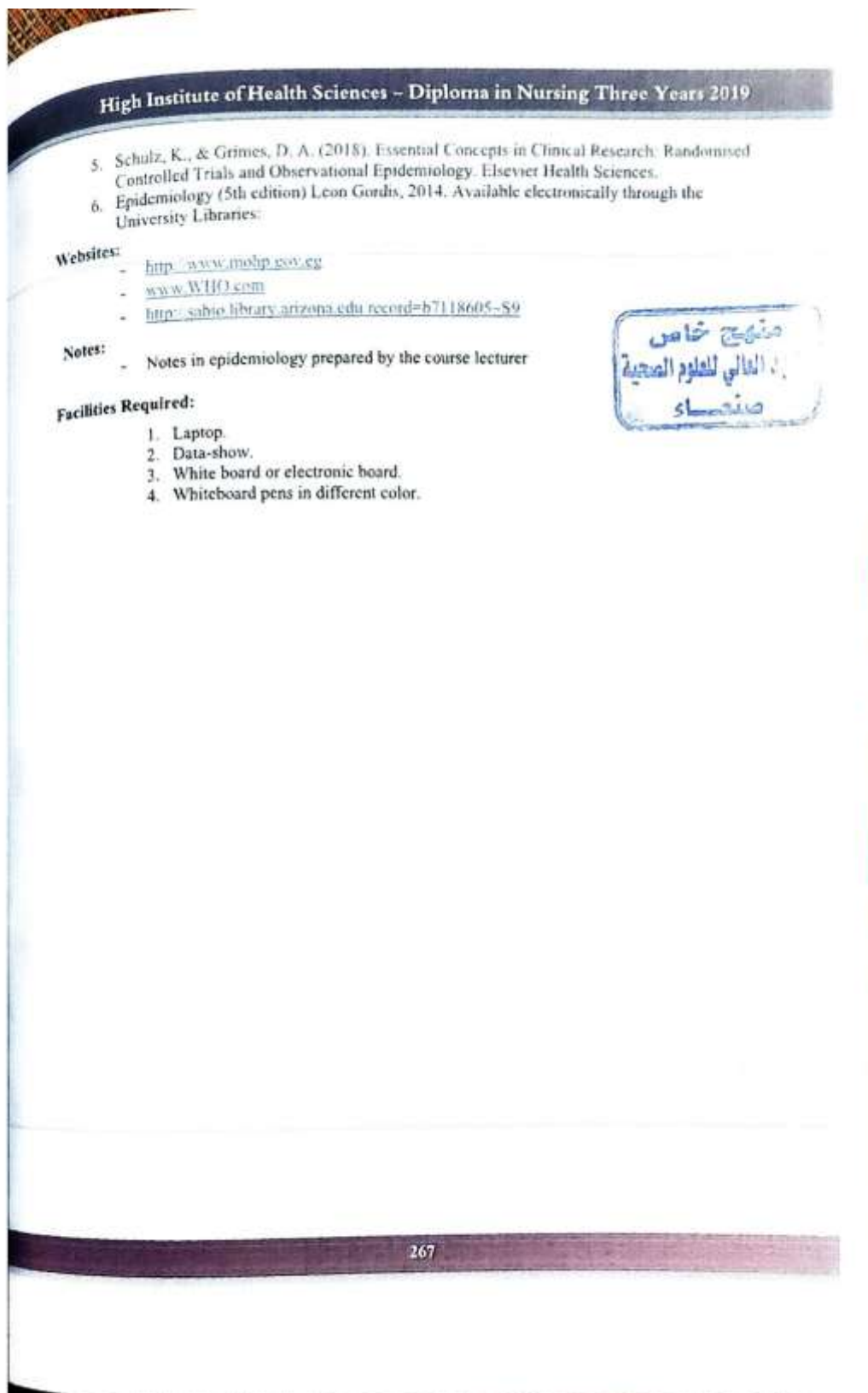
Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Quizzes.	Every 4 th week
2	Mid-term exam.	8 th week
3	Final exam.	After 16 th week

Learning resources:

References:

- Webb, P., Bain, C., & Page, A. (2016). Essential epidemiology: an introduction for students and health professionals. Cambridge University Press.
- Lautenbach, E., Malani, P. N., Woeltje, K. F., Han, J. H., Shuman, E. K., & Marschall, J. (Eds.). (2018). Practical healthcare epidemiology. Cambridge University Press.
- Stewart, A. (2016). Basic statistics and epidemiology: a practical guide. CRC Press.
- Giesecke, J. (2017). Modern infectious disease epidemiology. CRC Press.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Graduation Project

Basic Information:

Name of Institute:

High Institute of Health Sciences and its branches.

Department offering the course:

Nursing department.

Code Number:

N3237.

Credit hours:

1 credit hour.

Academic year / Level:

3rd Year – 2nd Semester.

Course teaching staff:

Master or Bachelor of general medicine, public health, and nursing.

Language of teaching:

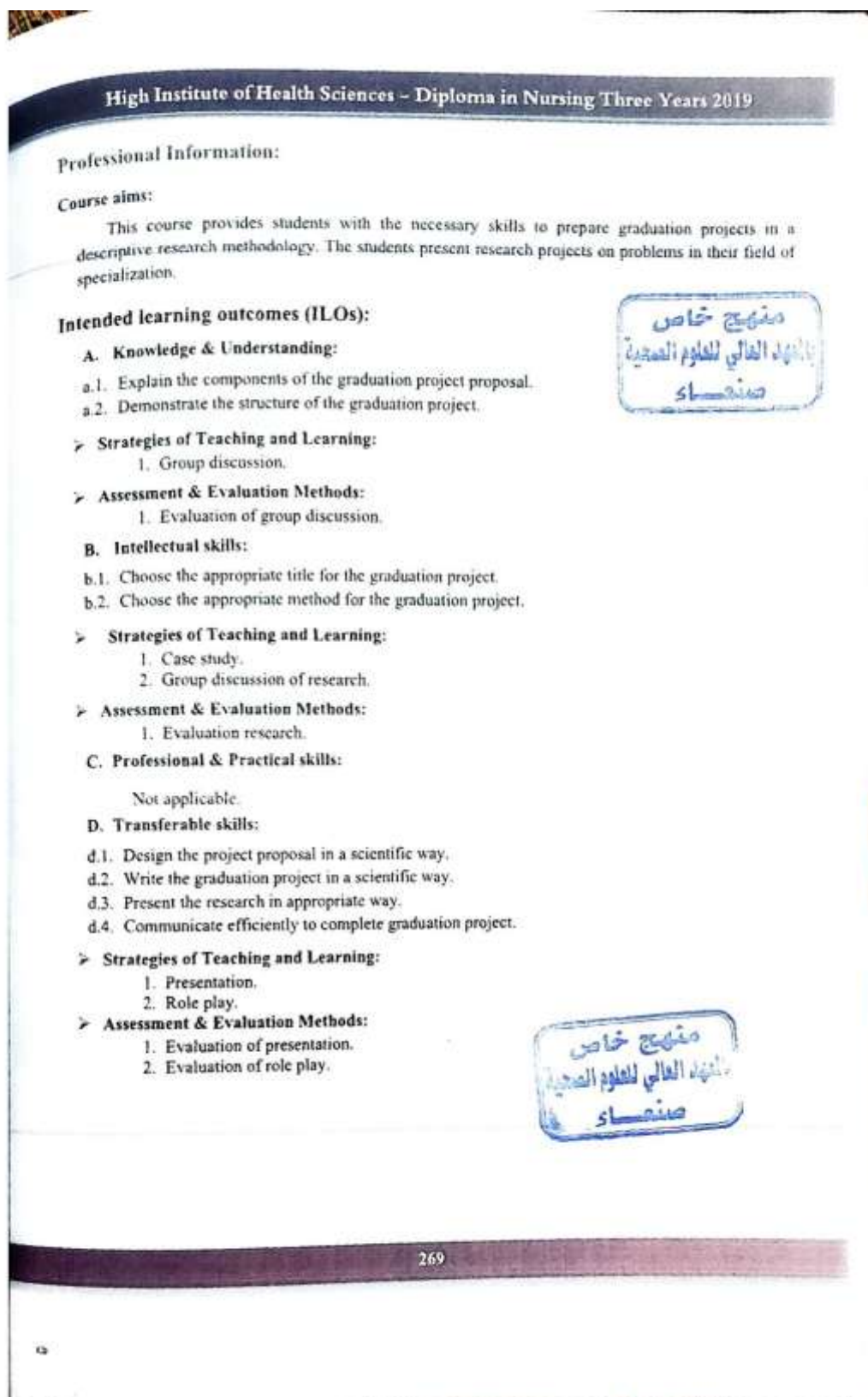
English and Arabic Language.

Prepared by:

Dr. Mohammed Alhamali.

Date of specification approval:

April 2019.



High Institute of Health Sciences – Diploma in Nursing Three Years 2019

Contents of the course:

Seminars of graduate projects for research groups:

No.	Subject	Contact hours	Learning & teaching strategies
1	Overview of the course: • Intended learning outcomes: • Course outlines. • Course time. • Course hours. • Course evaluation.	1	Group work
2	Identify the titles of research projects.	1	Group work
3	Preparation of research proposals.	1	Group work
4	Preparation of research proposals.	1	Group work
5	Receive and edit proposals from search supervisor.	1	Group work
6	Approve research proposals from the research department.	1	Group work
7	Design data collection tool: Experimentation - Arbitration - Printing.	1	Group work
8	Data collection methods.	1	Group work
9	Data collection methods.	1	Group work
10	Data analysis methods.	1	Group work
11	Writing the first draft of the graduation project.	1	Group work
12	Writing the graduation project in its final form and handing it over to the department.	1	Group work
13	Prepare presentation.	1	Group work
14	Final discussion of the research (Defense).	1	Group work
15	Final discussion of the research (Defense).	1	Group work
16	Final discussion of the research (Defense).	1	Group work
Total hours		16	

Evaluation of course:

Evaluation of students:

In this course, the students will be subjected to various ongoing assessments involves Evaluation of the following (assignments, research proposal, attendance, individual discussion the graduation project report). The assessment methods used are shown in the following table:

No.	Evaluation method	Percentage
1	Research proposal.	30%
2	Attendance in the sessions of the research project.	10%
3	Individual discussion.	10%
4	Presentation.	10%
5	The final graduation project report.	40%
Total		100%

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Evaluation table:

No.	Evaluation method	Evaluation appointment
1	Research proposal.	4 th week
2	Attendance in the sessions of the research project.	14 th week
3	Individual discussion.	15 th week
4	Presentation.	16 th week
5	The final graduation project report.	After 16 th week

Learning resources:

References:

1. البحث العلمي الدليل التطبيقي للباحثين محمد عبد الفتاح الصيرفي دار وائل للنشر الطبعة الأولى عمان ٢٠٠٢.
2. Designing and conducting health system research projects. Proposal development and field work. Corlien M. Etal, WHO, International Development Research Center volume 1. 2003 .

Websites:

- www.sciencedirect.com
- www.google scholar.com

Notes:

The template adopted by the Research Department of the Higher Institute of Health Sciences on:

- Research proposal
- Graduation project

Telegram links: روابط التليجرام

- https://t.me/Acad_research موقع هام على التليجرام يحتوي على بروشورات وملصقات حول البحث العلمي
- <https://t.me/Studiesku> موقع هام ايضا على التليجرام يعتبر مرجع لمعدي الابحاث العلمية

Facilities Required:

1. Laptop.
2. Data-show.
3. White board or electronic board.
4. Whiteboard pens in different color.
5. Internet network.





حقوق الطبع محفوظة لدى المعهد العالي للعلوم الصحية ولا يحق لأي طرف بيع أو شراء أو تداول هذه النسخة.
خاص بالمعهد العالي للعلوم الصحية – صنعاء.