



مقترح منهج بكالوريوس علوم التمريض

(BACHELOR OF NURSING SCIENCE)

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لجنة اعداد المنهج :

تم اعداد المنهج بلجنة مكونة من الاساتذة الاتية :

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منهجية عمل اللجنة ومرجعياتها:

اجتمعت اللجنة عدة اجتماعات تم فيها اعداد اطار عام لبرنامج بكالوريوس علوم التمريض جامعة المشرق ومن ثم تمت تكملة مفردات المنهج. استعانت اللجنة بنماذج معدة بواسطة خبراء فى مجال تعليم التمريض واعتماد المؤسسات التعليمية داخليا وخارجيا والكلية الانموذج بوزارة التعليم العالي. استخدمت اللجنة بعض المراجع التقليدية والالكترونية فى اعداد المنهج اتبعت اللجنة موجهات منظمة الصحة العالمية فيما يتعلق بتعليم التمريض تم الاخذ فى الاعتبار متطلبات المجلس القومي للمهن الطبية والصحية كجهة منظمة لمهنة التمريض بالسودان.

مستند من الكلية

يرتبط تطوّر المجتمعات الحديثة وتقدمها ارتباطاً وثيقاً بأداء مؤسسات التعليم العام والعالى لوظائفها العلمية والأكاديمية، وتمثل الجامعات حلقة الوصل بين التعليم العام والمجتمع، لأنها تؤثر تأثيراً مباشراً في قيم الحياة الاقتصادية والاجتماعية والسياسية، بما تحدثه من تغييرات جوهرية في علاقات التفاعل الاقتصادي، وصياغة أنماط الاجتماع البشري، والتنظيم لنظم الحكم والإدارة.

ظل التعليم الحكومي كقطاع تعليمي في العديد من الدول النامية ولفترة طويلة خلت يوفر الفرص المجانية وشبه المجانية لعدد كبير من الطلاب وفق التنافس الأكاديمي **المحض** لذلك يعتبر جهد قطاع التعليم الأهلي في معظم الدول مساهمة من المجتمع بتقديمه فرصاً إضافية دون التقيد بالمعيار الموحد لمنح الفرص المجانية بل وفق اعتبارات خاصة أهمها القدرة المالية لطالبي الخدمة في اتساق مع تكلفة الفرص المقدمة. ومن المتفق عليه أن الدور الحكومي لتنظيم التعليم الأهلي والخاص هو دور التشجيع لقيام مؤسسات التعليم الأهلي وإرساء الأسس الإدارية التنظيمية للقطاع الأهلي ووضع معايير ضبط الجودة التي تحكم هذا النمط من التعليم لضمان جودة أدائه وكفاءة مخرجاته.

فلسفة الكلية

تنبثق فلسفة برنامج التمريض من فلسفة جامعة المشرق والتي تعمل علي تعميق واقع المجتمع وإجراء البحوث والدراسات وتخرج اطر متميزة وفي هذا الإطار يسعى برنامج التمريض إلي أعداد خريجين ذوى كفاءة وتميز في مجال مهنة التمريض قادرين علي المنافسة في عصر العولمة وسوق العمل، فطالب التمريض يمثل العنصر الرئيسي في العملية التعليمية والأكاديمية ذات المناهج المتطورة والتي تراعي تقانة وواقع البيئة المحيطة به بتطوير قدراته العقلية والذهنية والمعرفية ليكون عنصراً فاعلاً في التغيير للافضل من اجل التنمية الصحية والشاملة، من خلال مشاركته الفاعلة كفرد ومن خلال الكلية كمؤسسة لها أهدافها وفلسفتها التي تسعى لتحقيقها كإسهام حقيقي لتنمية الصحة والمجتمع.

الرؤية :

التميز في التمريض ومواكبة المستجدات العلمية والتقنية لتحقيق الريادة.

الرسالة:

تقديم تعليم جامعي متميز وتنمية المجتمع المحلي والاهتمام بالبحوث العلمية التطبيقية وتبني النهج العلمي في إدارة التمريض وضمان ديمومته وغرس القيم الفاضلة القائمة على الدين الحنيف والموروثات.

القيم:

تعمل الكلية من أجل تحقيق أهدافها وأداء رسالتها في إطار رؤيتها للمستقبل وفق القيم التالية: الإلتزام، الكفاءة، المهنية، الاتقان، الشفافية، العدالة، المشاركة، الاتصال والتواصل الفعال، الجودة، التميز، التفوق.

المبررات :

- زيادة عدد مؤسسات الرعاية الصحية والتي تحتاج الى اعداد الممرضين علي مستوي السودان والعالم العربي.
- تلبية متطلبات المجتمع المتزايدة لتلقي خدمات تمريضية متميزة ذات كفاءة ترضي المستفيد في المستويات الصحية المختلفة .
- حاجة الولاية للممرضين من حملة البكالوريوس لتغطية الخدمات التمريضية والتعليم
- تنمية المجتمع من خلال التعليم والتدريب المستمر والندوات العلمية.

شروط القبول

- شروط وزارة التعليم العالي لبكالوريوس علوم التمريض
- اجتياز المعاينة الشخصية
- اجتياز الكشف الطبي
- الاقرار على الاللتزام بقوانين ولوائح جامعة المشرق

الهدف العام للكلية :-

- تأهيل أطر متميزة اكاديميا ومهنيا وقادرة على تقديم خدمات التمريض المتكاملة بمستوي رفيع للفرد والأسرة والمجتمع.
- اعداد ممرضين ملتزمين بأخلاقيات مهنة التمريض
- غرس وتنمية روح الفريق الصحي وتحمل المسؤولية في أداء المهام التمريضية (الوقائية والعلاجية منها)

- إجراء البحوث والدراسات التطبيقية في المجالات التمريضية والصحية
- اعداد الطالب للتعلم المستمر ومواكبة التطور.
- المساهمة في حل المشكلات المرتبطة بالتمريض.

المخرجات:

مخرجات معرفية:

- إظهار الفهم الشامل لثقافة التميز المهني في التمريض
- تعزيز معرفة التمريض من خلال الممارسة المهنية للتمريض .
- فهم معايير التمريض من خلال تطبيق مهارات التمريض
- ادراك الحاجة للنهوض بالممارسة المهنية من خلال الإسهام في التعليم والإدارة وسياسة الرعاية الصحية، وتطوير المعرفة،
- معرفة مبادئ ومعايير سياسة الرعاية الصحية الأخلاقية للفرد والاسرة والمجتمع
- معرفة المعلومات الخاصة بتمريض الحالات الحرجة والطوارئ

مخرجات مهارية

- التواصل بشكل واضح ومنطقي من خلال الاتصال الكتابي
- المساهمة في نشر الوعي الصحي لفئات المجتمع المختلفة للارتقاء بالصحة
- تقديم العناية التمريضية المتكاملة الوقائية والعلاجية في المرافق الصحية المختلفة.
- تقديم الرعاية التمريضية للحالات الخاصة.
- المشاركة في تدريب الطلاب وفئات التمريض المختلفة.
- المشاركة في إجراء البحوث في المجالات الصحية وخاصة في مجال التمريض
- ادارة اقسام التمريض بالمرافق الصحية المختلفة.
- نشر الوعي الصحي و محاربة العادات الضارة في المجتمع

مخرجات سلوكية:

- الالتزام بأداب وأخلاقيات وقوانين مهنة التمريض في تقديم العناية التمريضية
- إظهار فهم المبادئ والقيم من خلال ممارسة التمريض العامة والمختصة
- ترجمة مجموعة أساسية من القيم الأخلاقية التمريض المختص كإطار لممارسة الرعاية الصحية
- إظهار فهم التنوع ذو الصلة الثقافية في مجال الرعاية الصحية :

- تحديد وتصميم وتنفيذ الرعاية الصحية ذات الصلة بمختلف فئات السكان وثقافتهم.
- التعاون مع فئات الفريق الصحي في تقديم الرعاية الطبية والصحية
- إظهار المعرفة من خلال اتخاذ القرارات الأخلاقية ذات العلاقة بسياسة الرعاية الصحية

نظام الدراسة :

- تعتمد كلية جامعة المشرق:
- في تعليم التمريض علي النظام الفصلي المعدل حيث انه يسمح بالجلوس لامتحان الدور الثاني (إزالة الرسوب).
- مدة الدراسة بالكلية لتأهيل الطالب لنيل درجة بكالوريوس علوم التمريض ثمانية فصول دراسية (اربعة سنوات).
- يتكون المستوي الدراسي من فصلين دراسين.
- مدة الدراسة في الفصل هي خمسة عشر أسبوعا.
- يتلقى الطالب مجموعة من المقررات في كل فصل تتكون من الجوانب النظرية و العملية المعملية والسريرية والميدانية.

استراتيجيات التعليم والتعلم :-

- التركيز علي التدريب العملي تحت الأشراف.
- التعليم النشط المرتكز علي الطالب.
- أسلوب حل المشكلات خلال المراحل الدراسية.
- التوجه نحو المجتمع في التكيف مع أوضاعه لحل مشكلاته.
- التعلم الذاتي.
- استراتيجية التفكير الناقد
- استراتيجية العصف الذهني
- استراتيجية البحث و الاكتشاف
- استراتيجية التفكير الإبداعي

طرق التدريس (النظرى والعملى):

طرق التدريس النظرى:

- المحاضرات التفاعلية.

- حلقات النقاش
- السمونات.
- التكاليفات.(Assignment)

طرق التدريب العملي:

- العروض الايضاحية.(Demonstrations)
- التدريب العملي علي المجسمات والنماذج والاقران بمعمل مهارات التمريض الاساسية وعللي المرضى تحت اشراف المدرب.
- التدريب العملي السريري تحت اشراف المدرب.
- التدريب العملي على طريقة حل المشكلات.
- دراسة حالة وتقديمها بواسطة مجموعة من الطلبة او طالب واحد تحت اشراف المدرب.
- مرور الطلبة مع المدرب (Nursing round) لعرض الحالات بواسطة الطلبة ومناقشتها.
- المرور مع الفريق الطبي.
- التدريب علي كتابة وتقويم التقارير.(Nursing records & reports)
- التدريب العملي في مراكز رعاية الامومة والطفولة والمراكز الصحية الاخرى.
- التدريب العملي علي اسس مجتمعية في الزيارات المنزلية والاقامات الحقلية.
- التدريب العملي لتقويم العناية التمريضية لذوي الاحتياجات الخاصة في دور المسنين والمعاقين والمصحات والاصلاحيات والسجون.

اماكن التدريب:

- معمل المهارات .
- المستشفيات والمراكز للتدريب العملي
- التدريب الحقلي

لغة التدريس :

- هي اللغة الانجليزية والعربية

نظام التقويم :-

تقويم المنهج:-

- يتم تقويم المنهج من :-
- خلال استطلاع رأي الطلاب والمشاركين في التدريس والمخدم والمستفيد من الخدمة.

- تحليل نتائج الامتحانات.
- متابعة أداء الخريجين واستطلاع آرائهم.
- أ. **تقويم الطلاب :-**
- التقويم المستمر للتأكد من اكتساب مهارة ما او معلومة.
- التقويم المرحلي للتأكد من تحقيق الأهداف التعليمية لمرحلة ما.
- التقويم النهائي يتم عند الانتهاء من الدراسة لكل فصل ، وذلك للتأكد من تحقيق الأهداف التعليمية وإعطاء الطلاب درجاتهم وترتيبهم حسب مستوي التحصيل لاتخاذ قرار بشأنهم.
- يقوم الطلاب بالمعدل التراكمي.

1. **التقويم العملي :-**

- التقويم المستمر لقدرات الطالب المبني علي قوائم التحقيق الموضوعه لهذا الغرض ، مع مناقشة الطالب وتوجيهه.
- التقويم بإجراء الامتحان العملي (السريري – البنيوي – الحقلي) عند نهاية الفصل في مقرر التمريض المعين.
- تقويم بحث التخرج.

2. **التقويم النظري :-**

- الاختبارات القصيرة والمستمرة خلال الفصل الدراسي.
- الأعمال المقدمة من الطلاب مثل دراسة الحالة وتقديم المشاريع.
- الامتحان التحريري النهائي:-
- يشتمل علي - أسئلة المزوجة - الأسئلة ذات الخيارات المتعددة - الاسئلة القصيرة والأسئلة المبنية علي حل المشكلات.

التقويم الاكاديمي للمقررات :

نظام تقويم الامتحانات وعمل الطالب علي اساس النقاط وهي تتدرج كما يلي:

الدرجات	التقدير	التقدير اللفظي الحرفي	الدرجات
4	A	امتياز	فاكثر 80
3.5	B	جيد جدا	70-79
3	C	جيد	60-69
2	D	مقبول	50-59
0	F	رسوب	اقل من 50

التقويم الاكاديمي للدرجة العلمية :

التقويم الاكاديمي لدرجة البكالوريوس:

التقدير اللفظي	النقاط
امتياز	3.5-4
جيد جداً	3-3.49
جيد	2.5-2.99
مقبول	2-2.49

اللوائح الاكاديمية

قوانين ولوائح ونظم الامتحانات:-

لائحة الامتحانات لبكالوريوس علوم التمريض :-
اسم اللائحة وبدء العمل بها :-

تسمي هذه اللائحة لائحة الامتحانات لطلاب بكالوريوس علوم التمريض ولا تتعارض مع القوانين العامة لجامعة المشرق .

نطاق التطبيق:-

تسري هذه اللائحة علي طلاب بكالوريوس علوم التمريض.

نظام الامتحانات :-

- تعقد الامتحانات في نهاية كل فصل.
- يجب علي الطالب الجلوس للامتحانات في كل مقررات الفصل الدراسي.
- الطالب الذي تقل نسبة حضوره عن 75 % بغير عذر مقبول يجوز لمجلس الكلية حرمانه من الجلوس لامتحان المقرر المعني و يعد راسباً. وعليه تعويض متطلبات المقرر قبل الجلوس لامتحان الدور الثاني لذلك المقرر.
- الطالب الذي يتغيب عن الجلوس للامتحان في أي مقرر بغير عذر مقبول يعتبر راسباً في ذلك المقرر.
- الدرجة الكاملة للمقررة (100%) 60% للعملي 40% للنظري بالنسبة لمقررات التمريض السريرية .
- تدخل الاعمال والاختبارات الفصلية في تقييم المقرر بنسبة 20-30 % من الدرجة النهائية.
- يعتمد تقويم امتحانات الدور الثاني على درجات امتحانات الدور الثاني فقط.

الدرجة التي تمنح:

تمنح كلية المشرق ممثلة في مجلس أساتذتها درجة البكالوريوس في علوم التمريض للطلاب الحاصلين علي معدل تراكمي (2.00) فمافوق بعد إكمال المنهج المقرر بنجاح.

بنية المنهج

الساعات المعتمدة لمقررات المنهج المقترح		عدد المقررات	المقررات	رقم
نسبة (%)	عدد	المنهج المقترح		
15	23	11	مقررات التعليم العالي	1
20	30	9	المقررات المساعدة	2
65	102	28	مقررات التخصص	3
100	155	48	المجموع	

لوحة المنهج

Semester one

code	Course name	Con.H		Cr.H
		Th	Pr	
Ns111	Fundamentals of nursing 1 اساسيات التمريض 1	2	9	5
Ns112	Ethics and professionalism اخلاقيات المهنة والمهنية	2	-	2
Ns113	Anatomy علم التشريح	3	3	4
Ns114	Physiology علم وظائف الاعضاء	3	3	4
Ns115	Computer الحاسوب	2	3	3
Ns116	English language 1 لغة انجليزية 1	2	-	2
Ns117	Arabic language 1 لغة عربية 1	2	-	2
Ns118	Islamic Culture 1 ثقافة اسلامية 1	2	-	2
	Total	18	18	24

Semester two

Code	Course name	Con.H		Cr.H
		Th	Pr	
Ns121	Fundamentals of nursing 2 اساسيات التمريض 2	2	9	5
Ns122	Biochemistry الكيمياء الحيوية	2	3	3
Ns123	Community health nursing 1 تمريض صحة المجتمع 1	3	-	3
Ns124	Microbiology and parasitology علم الاحياء الدقيقة والطفيليات	2	3	3
Ns125	English language 2 لغة انجليزية 2	2	-	2
Ns126	Arabic language 2 لغة عربية 2	2	-	2
Ns127	Islamic Culture 2 ثقافة اسلامية 2	2	-	2
Ns128	Nutrition	2		2
	Total	17	15	22

Semester three

Code	Course name	Con.H		Cr.H
		Th	Pr	
Ns211	Pathology علم الامراض	2	-	2
Ns212	Adult medical nursing1 التمريض الباطنى للبالغين 1	3	8	5
Ns213	Adult surgical nursing 1 التمريض الجراحي للبالغين 1	3	8	5
Ns214	Epidemiology علم الوبائيات	2	-	2
Ns215	Pharmacology علم الادوية	3	-	3
Ns216	English 3 لغة انجليزية3	2	-	2
Ns217	Arabic language3 لغة عربية3	2	-	2
Ns218	Islamic Culture 3 ثقافة اسلامية3	2	-	2
	Total	19	16	23

Semester Four

Code	Course name	Con.H		Cr.H
		Th	pr	
Ns221	Adult medical nursing 2 التمريض الباطني للبالغين 2	3	8	5
Ns222	Adult surgical nursing 2 التمريض الجراحي للبالغين 2	3	8	5
Ns223	Diet therapy التغذية العلاجية	2	-	2
Ns224	Communication skills مهارات الاتصال والتواصل	1	3	2
Ns225	Sociology & anthropology علم الاجتماع والاجناس	2	-	2
Ns226	Psychology علم النفس	2	-	2
Ns227	Sudanese studies الدراسات السودانية	2	-	2
Total		15	19	20

Semester five

Code	Course name	Con.H		Cr.H
		Th	Pr	
Ns311	Genetics علم الوراثة	2	-	2
Ns312	Obstetrical Nursing تمريض التوليد	3	12	6
Ns313	Gynecological Nursing تمريض امراض النساء	1	4	2
Ns314	Health economics اقتصاديات الصحة	2	-	2
Ns315	Counseling and guidance التوجيه والارشاد	2	-	2
Ns316	Education & Educational technology التعليم والتقنيات التربوية	2	-	2
Ns317	Nursing Theories نظريات التمريض	2	-	2
	Total	14	16	18

Semester six

Code	Course name	Con.H		Cr. H
		theory	practical	
Ns321	Pediatric nursing تمريض الاطفال	4	9	7
Ns322	Psychiatric and Mental Health Nursing تمريض الصحة النفسية والعقلية	3	8	5
Ns323	Gerontology Nursing تمريض المسنين	2	4	3
Ns 324	Health statistics	2		2
Ns 325	Research methodology طرائق البحث	2		2
	Total	13	27	19

Semester seven

Code	Course name	Con. H		Cr. H
		Th	Pr	
Ns411	Emergency & Critical Nursing تمريض الحالات الحرجة وحالات الطوارئ	2	8	4
Ns412	Nursing administration الإدارة في التمريض	2	8	4
Ns413	Community health nursing 2 تمريض صحة المجتمع 2	2	8	4
Ns414	Forensic Nursing التمريض العدلي	2		2
Ns415	Graduation research بحث التخرج	2	-	2
	Total	10	24	16

Semester eight

code	Course name	Con. H		Cr .H
		Th	pr	
Ns421	Graduation Project(بحث التخرج)(con)	2	-	2
Ns422	Applied medical nursing التمريض الباطني التطبيقي	2	8	4
Ns423	Applied surgical nursing التمريض الجراحي التطبيقي	2	8	4
Ns424	Applied pediatric nursing تمريض الاطفال التطبيقي	2	8	4
Ns425	Applied obstetric nursing تمريض التوليد التطبيقي	2	8	4
	Total	10	32	18

Note:

3 hours laboratory practice = one credit

4 hours clinical practice = one credit

مقررات المستوى الإداري

الأول

Fundamentals of nursing(1)

Code=NS111

Credit =5h

Course Description :

This course aim to covers basic nursing sciences which provide nurses student with essential information for patient care.

Course objective:

At the end of this course the student will able to:-

(1)Understand, describe, explain, and define the **following-:**

-History and development of nursing in Islamic & Christian, local and world.

- Health care delivery system in Sudan.
- Discuss historical approach of nursing development.
- Describe common practice settings for nurses.
- Nursing profession and characteristics of good nurse.
- Nursing process.
- Basic human needs.

(2)Understand and describe the principles and purposes of the following procedures :

- Infection control.
- Patient unit.
- Body mechanics & moving, turning and lifting the patient .
- Patient hygiene .
- Care of pressure areas .
- Record and report
- Ventilation and oxygenation .

- Vital signs.
- Administration of medications .
- Demonstrate the skills required to prepare, perform, care of the equipment's, recording and reporting of the above procedures.

Course content -:

History of nursing:

- Definitions of nursing.
- Governmental bodies responsible for national health .
- Health care delivery in Sudan.
- History and nursing development.
- History in Christian.
- History in Islamic.
- History of nursing in Sudan

Unit one:

- Introduction to fundamental
- Admission, transfer and discharge of the patient
- Care of patient and environment .

Unit two:

Vital signs-:

- Introduction to vital signs
- Assessment of body temperature.
- Assessment of pulse rate.
- Assessment of blood pressure.

Unit three:

Infection control:

- Routine hand washing

- Medical hand washing (alcohol hand rubbing)
- Surgical hand washing.
- Personal protective equipment (ppE)
- Gloving
- Gowning
- Mask-glass-shoes
- Universal precaution
- Principles of sterilization and disinfection.

Unit four:

Personal hygiene

- Self-hygiene.
- Used of Hair shampoo.
- Oral hygiene.
- Bed making occupied and unoccupied
- Bed sore .

Unit five :

Admiration of oxygen

- Oxygen therapy .
- Inhalation therapy(neublizer &cylinder)
- Methods of Oxygen Therapy (nasal Cannula, by mask and by Tent).

Unit six:

Body mechanics:

- Positioning

- Transfer from bed to chair
- Turning and lifting

Training :

Demonstration and supervise practice in nursing lab for the above procedures.

Course assessment:

- A. Continues assessment: 20%
- B. Final examination: 80%
 - Written: 40%
 - Practical: 40%

Course name= Ethics and professionalism

code = NS112

Credit =2h

Course Description :

The aim of this provision is to promote self-respect and professional growth. The nurse needs to care for themselves so they can be a competent and caring worker.

Course Objectives

At the end of this course the student will be able to understand:

- Discuss ethics and values influencing nursing care.
- Understand the legal responsibilities of the nurse as related to the improvement and maintenance of health in the community.
- Understand functions and responsibilities of the nurse for the maintenance of health laws in Sudan.
- Understand ethical considerations in provision of care and legal issues protecting the patient and the nurse.

Content:-

-Ethics in nursing:

- Health legislation and laws in Sudan.
- Legal functions and responsibilities of the nurse for the implementation and maintenance of health laws in Sudan.
- Patients' rights
- Care givers rights .
- Institute rights

- Licensure .
- Code of professional conduct of nursing.
- Code of professional conduct of nursing in Sudan.

Students evaluation

- Continuous evaluation including the mid Semester exam30 %
- Final exam: (Theory - Practical) 70%

Course name= ANATOMY

code = NS113

Credit = 4h

Course Description :

The aim of this course students will be able to acquire knowledge of normal structure of various human body system and understand the alteration in Anatomical structures in diseases and practice of nursing.

Course Objectives

At end of the course the student will **be able to:**

- Describe the normal structures of the organs of the body systems.
- Describe the body as whole (awareness of the body being composed of many parts and organs that form well organized unit)

Content:

I- General Introduction

- Anatomical terms
- Parts of the human body
- Tissues in broad outline

II. Skeletal and joint system (Demonstration on the skeleton)

- Bones, types of bones, structure and development
- Bones of the whole body, skeleton
- Joints, structure
- Classification of various joints of the body

III. Muscular system

- Types of muscles and structure
- Skeletal muscle
- Cardiac muscle
- Smooth muscle

IV. Circulatory system

- Heart and its structure
- Arteries, veins and lymphatic system

V. Respiratory system

- Structure of nose, larynx, trachea, bronchi and lungs (Demonstration on the body)

VI. Digestive system

- Mouth, pharynx, oesophagus and whole of gastrointestinal tract and also the glands associated.
- The liver, the gall bladder in the pancreas, the spleen (Structure and distribution in the body)

VII. Urinary system

- Demonstration of structure of kidney, ureters, bladder and urethra

VIII. Endocrine system

- All the endocrine glands

IX. Nervous system and special senses

- Brain
- Spinal cord

- Nerves
- Autonomic nervous system
- Eye, ear and nose

X. Reproductive system

- Male structure
- Female structure

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= Physiology

code = NS114

Credit =4h

Course Description:

The aim of this course students will be able to acquire knowledge of normal physiology of various human body system and understand the alteration in physiological in diseases and practice of nursing.

Course Objectives

At end of the course the student will be **able to:**

- Describe the normal functions of the organs of the body systems.
- Describe the essential regulatory systems.

Content:

I- Introduction to physiology of the cell.

II. Blood

- Composition and function of various components of blood
- Normal and abnormal hemopoiesis.
- Destruction of red cells, jaundice and blood groups

III. C.V.S.

- Structure and function of heart and blood vessels
- Regulation of heart rate and blood pressure

- Regional circulation with special reference to coronary circulation and ischemic heart disease

IV. Respiratory system

1. Functional anatomy of respiratory system and mechanisms of respiration

- Regulation of respiration
- Anoxia, cyanosis, dyspnoea and pulmonary function tests

V. Gastro-intestinal system

- Composition, mechanism of action and regulation of salivary and gastric secretions
- Bile, Pancreatic juice and intestinal secretions
- Gastro-intestinal tract movement and absorption
- Functions of liver

VI. Excretory system

- Structure and functions of kidney
- Mechanism of function of kidney and kidney function tests
- Structure and function of the skin

VII. Endocrine and Metabolism

- Endocrine and their functions
- Regulation of endocrine secretions
- Endocrine disorders
- Physiology and reproduction
- Basis of use of various contraceptive devices

VIII. Nervous system and special senses

- Neuron conduction of nerve impulses, synaptic transmission and reflex action
- Sensory organs and different tracts
- Regulation of tone and posture
- Physiology of cerebellum and basal ganglia
- The cerebral cortex
- Physiology of vision
- The special sensation-auditory, tests and olfaction

PRACTICAL

1. Blood

- RBC and WBC count, Haemoglobin
- Differential count
- Blood groups, ESR, CT, BT

2. C.V.S

- Examination of cardiovascular system
- Recording of blood pressure in human beings and the effect of exercise

3. Respiratory system

- Use of spirometer and B.M.R. apparatus

4. CNS and special senses

- Examination of CNS and the special senses

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= Computer

code = NS115

credit = 3h

course description :

This course is designed to help students gain a basic understand of computers in Order to utilize this in rendering effective nursing care in different settings.

Course Objectives:

At the end of this course the student will be **able to:-**

- Understand the basic information about computer.
- Understand computer hardware and software.
- Understand the focus, purpose and development of an information system in nursing.
- Understand data processing.
- Understand the use and benefit of computer science in nursing.
- Demonstrate the ability to operate the computer.
- Demonstrate the ability to develop system information and its application in nursing.

Content:

- Introduction to the computer.
- The purpose and development of computer in nursing.
- Uses of computer in nursing (practice, research education).
- Development of information system in nursing.
- Data processing
- Practical training in operating computer.

Students evaluation

- Continuous evaluation including the mid Semester exam..30 %
- Final exam: (Theory - Practical) 70%

Course name= ENGLISH LANGUAGE (1)

code = NS116

credit =2h

course description :

This course aims to provide students with language skills of using the basic medical terminology as well as it focuses on the development of reading skills that help students in reviewing scientific literatures and writing nursing reports.

Course Objectives:

At the end of this course the student will be **able to:-**

- Read and write in English and write records
- Understand conversation, lectures, medical terminology, materials in the library and written records
- Construct simple sentences
- Communicate in English by listening and speaking.
- Read and comprehend materials written in English.
- Use medical terminology in daily tasks.

Content:

- Simple sentence structure
- Speaking English
- Medical terminology
- Reading and writing record in English

student evaluation

- a. Mid exam20 %
- b. final exam:80%

Course name =Arabic language-1

code =NS 117

credit =2h

الأهدافالمقرر- :

بنهاية دراسة هذا المقرر يكون الطالب قادراً علي:-:

- معرفة الأسس والمفاهيم العلمية التي تساعد الطالب في الاستفادة من المراجع العلمية
- الإسهام بصورة فعالة في سياسات التعليم العالي بدفع عجلة التعريب .
- معرفة حقيقة اللغة ونشأتها ومعالجة الأخطاء الشائعة بين الطلاب
- الإلمام بصياغة المصطلح العلمي ووضعه من المصادر المختلفة.
- معرفة بعض العلوم المساعدة في وضع المصطلح العلمي كالنحت والاشتقاق .
- الإلمام بقواعد وأساسيات الترجمة والتعريب .
- معرفة المستويات اللغوية والاختلاف بين الإنجليزية والعربية في النبر

محتوي المقرر

- عناصر الاتصال اللغوي (الكلام ، الاستماع ، القراءة والكتابة)
- ضوابط الرسم الكتابي .
- مخارج الحروف - الأخطاء الشائعة – القواعد الاملائية والاعراب .
- تركيب الكلمات وبنائها الصرفي والجملة والفقرة .
- النحو ، المفعولات ، الحال ، التمييز ، الاستثناء ، المجرورات من الاسماء العدد.
- التطبيق علي بعض من الكتب .
- الادب والنقد .
- تطبيق قواعد النحو والصرف علي فصول من كتب الادب – اسس نقد العاطفة والفكرة والخيال
ولأسلوب .
- قراءة فصول من كتب ادبية مختارة

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= ISLAMIC Culture -1

code = NS118

credit hours=2hours

Course Objectives

At the end of this course the student will be **able to:**

- Describe the importance of health in Islamic
- Understand the Islamic rules and regulations and code of ethics
- Have information about Islam & Islamic study.
- Identify the role of Islam in the development of the Muslim personality.
- Identify the basic religious groups.
- understand the importance of developing the ideal Islamic family.

Content:

- The importance of health in Islam.
- Islamic rules and code of nursing ethics.
- Important of religion for humanity.
- The basic of Islam.
- The basic religious groups.
- Islam and the development of ideal family(important of developing an ideal family, marriage route in Islam, rights of husband& wife and children.
- Helping patient and explain the alternatives in doing his Islamic duties.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= Fundamentals of nursing (2)

Code= NS121

Credit =5 h

Course description:

This course aim to covers basic nursing sciences which provide nurses student with essential information for patient care of illness and injures.

Objective :

By the end of this course the student will be **able to:**

Understand and describe the principles and purposes of the following procedures :

- Physical assessment .
- Feeding the patient .
- Elimination
- Collection of specimens
- Ventilation and oxygenation .
- Skin integrity and wound care
- Patient care and comfort
- Describe the principles of first aid and the criteria of First Aid giver
- Describe technique of handling emergencies and the proper procedure for transporting casualties.

- Demonstrate ability to prepare; perform of the above procedures, care of equipment's and recording & reporting of them.
- Demonstrate appropriate handling of an emergency to client with burn, fracture, poisoning (food, drugs gas), animal and insect bite,
- Basic life support, cardiopulmonary resuscitation.
- Chocking and foreign body
- Wounds (cuts, abrasions, stab, and gunshot).
- Identify life threatening Conditions .
- Drown

Course contents

Unit one: Tubes

1. NG tube:-

- Insertion
- Nutritional used
- Gastric lavage

2. Catheterization:

- Insertion
- Bladder wash

3. Enema

- Care of Human samples collection .

- Urine investigation for:-
- Sugar and acetone
- Bile

Unit two

Wound care:

- Type of solution used in dressing
- Dry dressing
- Wet dressing
- Banding.
- Prepare tray for dressing
- Pre and post-operative care
- Suction
- Indication
- Technique
- Care of death

Unit three:

Physical assessment

- Measured height and weight.
- Measured intake and output

- Urine test for sugar, acetone, albumin and bile

Unit four:

Medication of administration:

- Oral medication
- Inhalation
- Vaginal
- Rectal
- Installation
- Injection technique:
 - Intramuscular.
 - Intra dermal.
 - Subcutaneous injection.
 - Intravenous injection.

Unit five :

First aid

- Principles of First Aid
- Introduction to first aids
- Accidents and their management

- Identification and management of emergencies
- Procedure for transporting casualties.
- First aid treatment of burn fracture, poisoning wounds (cuts, abrasions, stab, gunshot).
- Cardiopulmonary resuscitation .
- Chocking
- Obstructive air way- Demonstrate appropriate handling of an emergency to client with burn, fracture, poisoning (food, drugs gas), animal and insect bites, basic life support and cardiopulmonary resuscitation.
- Wounds (cuts, abrasions, stab, gunshot)
- Identify life threatening Conditions
- Practical training on First Aid skills.
- Demonstration and supervised practice of the above procedures.

Course evaluation:

- a. Continuous assessment: 20%
- b. final exam :
 - Theory 30%
 - Practical 50%

Course name= BIOCHEMISTRY

Code = NS122

credit =3h

Course description:

This course aim help students to know the basic biological molecules proteins, carbohydrates and fats and the structure and functions of nucleic acids, amino acids, carbohydrates and the other biological structures

Objective:-

By the end of this course the student will **be able to**:

- Describe the composition of carbohydrate ,fat ,protein ,water , nuclear acids and minerals
- Explain the metabolism of the food elements
- Understand the hormones and their effects in the process of metabolism

Course content:

- Basic principles of biochemistry
- Cell and Cell Cycle
- The cell membrane
- Water& pH (Buffers – acid- base balance).
- Enzymes
- Introduction of carbohydrates (Structure &Functions).
- digestion and Absorption
- Introduction of lipid (Structure &Functions) digestion and Absorption
- Introduction of amino acid
- Introduction (Structure &Functions) of purines, pyrimidine's and Nucleic Acids
- Vitamins

- Hormones

Practical :

Investigation of urine (contains of urine, organic and unorganic substance, hormones, glucose, uria).

students evaluation:

- Final theory exam 80%
- Practical exam 20%

Course name= COMMUNITY HEALTH NURSING-1

Code = NS123

credit =3h

Course Description:

Community Health provides a theoretical background for the study of community health nursing and is based on the synthesis of nursing theory and public health science. Emphasis is on health promotion, health maintenance and disease prevention among populations. The course assists students to recognize and analyze the interrelationships between individuals, families, population groups, and communities in determining the health status of each. The impact of political, economic, social, environmental, and cultural concerns on the health of populations is examined.

Course Objectives

At the end of this course the student will be able to:

Understand, define, describe and explain the important of the **following:-**

- Health, illness and the factors affecting health.
- Personal health and personal hygiene.
- Environmental health and refuse & sewage disposal.
- Food and water hygiene.
- Proper healthy house.
- Primary health care and its components.
- Maintain health and prevent the diseases.
- School health.
- Occupational health.
- Demonstrate ability to interpret health information.

- Demonstrate ability to participate actively in maintaining environmental health, occupational health and school health.

Content-

- Health, illness and factors affecting health (genetic, environmental, lifestyle).
- Personal health and characteristic of healthy person.
- Environmental health, refuse & sewage disposal and air pollution.
- Food hygiene (preservation, storage, contamination).
- Water hygiene (storage and Contamination).
- Healthy house (ventilation, cleanliness, proper disposal of refuse and excreta).
- Primary health care and the component of primary health care.
- Control of infectious diseases in the community.
- School health and Occupational health.
- Health of handicapped people and their specific needs.
- Health for special group e.g. Prisoner.
- Practical training and visits to: Schools, Factories, Sewage and refusal disposal.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= MICROBIOLOGY AND PARASITOLOGY

Code = NS 124

credit =3h

Course description:

This course is designed to assist students in the study of important microorganisms and parasites causes disease.

Course Objectives:

At the end of the course the student will be able to:

- Define and classify micro-organisms and parasites
- Identify causes of microbial infections as well as related preventive and diagnostic measures and how to maintain a healthy environment.
- Explain the following types of micro-organism and the diseases they cause (viruses, fungus, bacteria, parasite, protozoa, and rickellsia).
- Explain the types of immunity.
- Describe the methods of disinfection and sterilization.
- Demonstrate ability to maintain safety precautions in collection specimens.
- Demonstrate methods of disinfection and sterilization.

Content:-

- Introduction of microbiology
- Definition of microbiology
- Classes of microbes.

Bacteriology.

- Define and classify Bacteria.
- Structure of bacteria shape and management.

- Bacterial growth and favours influencing it .
- Laboratory identification of bacteria.
- Growth media & bacteria cultivation .
- Some medically important bacteria.
- Gram positive cocci
- Gram negative cocci .
- Gram positive bacteria.
- Gram negative bacteria .

Virology .

- What are viruses .
- Structure of viruses Structure of viruses
- Classification of viruses.
- Some important viral disease.

Mycology.

- Introduction.
- Fungi and fungal infection.

Sterilization.

- The concept of sterilization .
- Type of sterilization

Disinfection.

- Concept of disinfection .
- Type of disinfection .
- Criteria of effective disinfection.
- Evaluation of efficiency of disinfection .

Immunity :

- Human immunity and factor influencing it .

- Safety collection and storing specimens
- Demonstrate ability to maintain safety precautions in collection specimens.
- Demonstrate methods of disinfection and sterilization.

Parasitology:

- Definition
- Abdominal parasite
- Types of parasite

Practical Training :

- Sterilization and disinfection and visit sterilization centre in hospital
- Deferent form of bacteria
- Parasitology practice
- Take samples

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Name of the course: English language 11

code: NS 125

Credit: 2 h

Course description :

This course aims to provide students with the necessary language skills to the development of conversational and writing communication skills in English language.

Course objective :

By the end of this course the student will be **able to:**

- Comprehend spoken and written English (and use English) required for effective communication in their professional work, Students will practice their skills in verbal and written English during.

Course Content:-

- Types of composition, letter writing, definition, scales and approximation.
- ESP Materials, description, graphic representation, instructional aspects, reports and explanation.
- Tenses and aspects relationships.
- Exercises in long paragraphs and short essays.
- Writing organized essays, presentation and foot – notes.
- Reading exercise (Silent and loud).
- Group discussion and conversation expressing ideas, facilitating group discussion providing appropriate feedback.
- Communication skills at different places e.g. at airport, insurance

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name Arabic language 11

code: NS 126

Credit: 2 h

وصف المقرر:

يهدف هذا المقرر آلي تنمية المهارات نحو الدقة فالتعبير والكتابة المركزة والربط بين الفكر والعبارات في مواقف التواصل اللغوي.

اهداف :

بنهاية المقرر يكون الطالب قادراً علي:-

- تجويد الأداء اللغوي الشفوي لتمكين الطالب من الحديث في المحافل العلمية بعربية فصحي وتحسين قدرته في التفكير والفهم السليم بلغة عربية.
- إجادة الطالب غير المتخصص للغة العربية من حيث التواصل والتخاطب والكتابة
- الإيفاء بحاجة الطالب غير المتخصص إلي تصحيح فهمه لما يتلقاه من نصوص مواد العلمية

محتوى المقرر

- اللغة (نشأتها ومفهومها وفلسفتها).
- النثر وأنواعه (نثر عادي، علمي، وفني) والتي يشمل :
- كتابة التقارير وصياغتها وعناصر الكتابة العلمية وصفات الكتابة الجديدة.
- إطار وعناصر الكتابة.
- كتابة الفقرات العلمية ووصف التجارب – نماذج لمحتويات المنهج في الأدب العربي وتطبيق عليها المعايير النقدية.
- المعاجم، أنواعها ووظائفها وطرق استخدامها.
- صياغة المصطلح وطرق وضع المصطلح.
- التعريب.
- مسيرة المصطلح العلمي.
- معاجم مصطلحات العلوم في كتب التراث العربي.
- نصوص تطبيقية (تختار النصوص من بين جملة نصوص معدة مسبقاً تناسب التخصص

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Name of the course: ISLAMIC CULTURE 11

code: NS 127

Credit: 2h

Course Objectives

At the end of this course the student will be **able to:**

- Understand the Islamic rules and regulations and code of professional ethics in regard of the client health.
- Understand more about doing Islamic activities during the period of illness.
- Demonstrate the ability of helping the patient to do his Islamic activities during illness.
- Demonstrate the ability to follow the Islamic rules and regulations in care with the client.

Content:-

- The importance of health in Islam.
- Islamic rules and code of nursing ethics.
- Islamic activities during illness.
- Islam view on some cultural habit in e.g. FGM and QAT.
- Islamic rules and regulations of the client.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

NUTRITION

Code=Ns128

Credit =2 h

Course description:

Aim of this course students will be able to Acquired knowledge of nutrition for maintenance of optimum Health at different stage of life and its application for practice of nursing.

Objectives

By the end of this course the student will be able to:-

- Define the terminology used in nutrition.
- Explain the principle of nutrition and the food composition, functions of food in body.
- Understand and describe the food categories and their impact on health.
- Describe the local food elements.
- Explain dietary needs in the various stages of the life cycle (infancy, childhood, adolescence, adulthood, motherhood and elderly).(
- Demonstrate ability to identify the signs and symptoms of mal nutrition (more or less).
- **Content:**
- Definition of the nutrition terminologies
- Principle of nutrition and the food composition, functions of food in body

- Classification.* properties *Digestion.*Interactions *Sources of different nutrition element (carbohydrates –proteins –fats – vitamins (soluble – in soluble) mineral and water.
- Preferences of the nutritional values of foods, planning of balance meal.
- Assessment of nutritional status, Nutrition during pregnant, lactating, childhood, adolescence, adulthood and elderly.
- Signs &symptoms of malnutrition (more or less)
- **Course evaluation**

A-Continuous assessment:..... 30%

b- final exam.....70%

المستوى الدراسي

الثاني

Course name: PATHOLOGY

Course code: NS 211

Credit hours: 2 h

COURSE DESCRIPTION:

This course focuses on the pathology of common disease conditions affecting human beings across the lifespan. Content builds on basic anatomy and physiology, microbiology, and chemistry content obtained from earlier courses.

Course Objectives:

At the end of this course the student will be **able to:-**

- Define pathology and its branches
- know the Causes and mechanisms of diseases.
- know the Chemical structural and functional changes during the disease process

Content:

- Introduction to pathology
- Characteristics, classification and incidence of disease
- Etiology and complications of the diseases.
- The cells and tissues
- Physiology of the cell
- Reversible and irreversible cell injury.
- Ischaemia and infarction.
- cell death and apoptosis.
- Cellular adaptation:-
- hypertrophy, atrophy, hyperplasia and hypoplasia
- aging

- Etiological classification of the diseases.
- Congenital, acquired diseases
- physical, chemical, genetic and biological causes of the diseases
- Inflammation
- acute inflammation
- chronic inflammation
- healing and regeneration
- Endocrine diseases
- Immune disorders
- Nutritional diseases
- Cancer
- Hematological diseases
- Endemic diseases
- Renal diseases
- Cardiovascular diseases

Students evaluation

- Continuous evaluation including the mid Semester exam.... 30 %
- Final exam: (Theory - Practical) 70%

Course name= ADULT MEDICAL NURSING 1

code = NS 212

credit =5 h

Course description

This course addresses the use of the nursing process and using clinical judgment to promote patient mental, emotional, cultural and spiritual needs of adults and children experiencing these conditions.

Course Objectives:

At the end of the course the student will be **able to:-**

- Apply holistic nursing care including physical, mental and social care using the nursing process.
- Describe nursing care plan and implement it and evaluate the action.
- Use the principles of social and health sciences including (knowledge, skill and attitude) in providing nursing care to the client and his family.
- Use the self-learning method to upgrade his/ herself and update to what going in health services and mainly in nursing.
- Demonstrate ability to give nursing care to the client with general medical conditions and to plan and implement at different levels of care.
- Demonstrate ability to assess the client with medical condition, plan, implement and evaluate the outcome.
- Demonstrate the ability to give care to the client in emergency and to work with health team effectively.
- Demonstrate the ability to do nursing procedures effectively.
- Demonstrate the ability to prepare client for investigating and diagnostic procedures

- Comply with ethical professional regulations & values in applying nursing care.

Content:

A/ Theoretical teaching on:

Medical disease; prevention, pathology, clinical manifestation, investigation, treatment, complications and nursing management using nursing process (Assessment, planning, implementing and evaluating) for the following:-

UNIT 1

Communicable diseases:

- Definition of terminology
- Nurse responsibilities towards prevention of communicable diseases.
- Barrier nursing.
- Modes of transmission diseases, incubation period and period of communicability.
- Infection and inflammation process.
- Tuberculosis, meningococcal infection, malaria, tetanus, HIV/AIDS, dysentery, amebic, influenza, enteric fever, cholera, hepatitis, Ebola & other hemorrhagic disorder, Yellow fever, brucellosis, trypanosomiasis leishmaniasis, schistosomiasis and leprosy.

UNIT 2

Medical conditions of digestive system:

- Nursing and management of client with disorders of mouth, esophagus, stomach, intestine small and large, disorders of liver, pancreas.

UNIT 3

Medical conditions of endocrine:

- Nursing and management of client with; metabolic disorders, diabetes mellitus, thyroid, parathyroid, pituitary gland and adrenal glands.

UNIT 4

Medical conditions of respiratory system:

- Review the structure and functions of respiratory system.
- Breathing pattern disorder and oxygen therapy.
- Nursing and management of client with; pneumonias, bronchitis, pulmonary tuberculosis, asthma, pleurisy, & bronchi and pleural effusion.
- Chest tube.
- Respiratory failure.
- Obstruction of air way and suction.

UNIT 5

Medical conditions of Urinary system:

- Review the urinary system.
- Common signs and symptoms of disorders of urinary system.
- Nursing and management of client with; urinary tract infection, nephritis, nephritic syndrome, renal failure, dialysis, urine retention & urine incontinence.

UNIT 6

Blood and lymphatic disorders:

- Review components and functions of blood and blood grouping.
- Anemia: hereditary, acquired (nutritional, hemorrhagic, hemolytic)
- Leukemia.
- Bleeding disorders
- Lymphatic disorders.

B/ Practical training in:

- General medical wards.
- Outpatient department.
- X-ray department.
- Laboratory department.
- Dialysis unit .
- Practical training on preparing patient & equipment and helping the doctor in following procedures: Abdominal parcentesis, Bone marrow aspiration, Endoscopies (gastrointestinal), Liver biopsy, Pleural aspiration, different X-rays and different types of investigations.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= ADULT SURICAL NURSING 1

code = NS213

credit =5 h

Course description

This course addresses the use of the nursing process and using clinical judgment to promote patient mental, emotional, cultural and spiritual needs of adults and children experiencing these conditions.

Course Objectives:

At the end of the course the student will be **able to:-**

- Describe the principle of surgical nursing.
- know the general conditions of surgery.
- Apply holistic nursing care including physical, mental and social care using the nursing process.
- Use the principles of social and health sciences including (knowledge, skill and attitude) in providing nursing care to the client with surgical conditions and his family.
- Describe the rehabilitation for patient with surgical conditions in tertiary level.
- Demonstrate ability to assess the client with surgical condition, plan, implement and evaluate the outcome.
- Demonstrate the ability to give care to the client in emergency and to work with health team effectively.
- Demonstrate the ability to do nursing procedures effectively.
- Demonstrate the ability to prepare client for investigating and diagnostic procedures.

- Demonstrate the ability to prepare client for surgical operation and procedures.
- Comply with ethical professional regulations & values in applying nursing care.

A/ Theoretical teaching on:

- Surgical conditions, clinical manifestation, investigation, treatment, complications and nursing management using nursing process (Assessment, planning, implementing and evaluating) for the following:-

UNIT 1

- Introduction to surgery:

- Sterilization and disinfection.
- General preoperative and postoperative care and general complications.
- Review of surgical dressing, gloving, gowning.
- Blood transfusion.
- Burn, haemorrhage and shock.
- Rehabilitation
- Hernias.
- Positions of clients for various surgical procedures, factors determining types of position and procedure of positioning.
- Fluid and electrolyte.
- Immobility.
- Pain.
- Altered level of consciousness.
- Surgical infection (tetanus, gas gangrene).
- Inflammation, necrosis, and cellular degenerative.

UNIT 2

- **Orthopaedic:**

- Fractures, dislocation, cast, deformity, (pre, intra, and post) care for patient going orthopedic surgery.
- Traction (skin, skeletal) complications of immobilization.
- Amputation, .

- **Physiotherapy:**

- Principles of physiotherapy, types and techniques, indications and the role of
- The nurse in physiotherapy.

UNIT 3

-**Surgical conditions of digestive system:**

- Nursing and management of client with disorders of gallbladder.
- Nursing care and management of (pre, intra and post operative) care for patients with G.I surgery (surgical condition of the mouth, appendectomy, intestinal obstruction, stomach surgery, hemoriodesctomy, cholecystectomy and colostomy & care of colostomy bag).

UNIT 5

-**Surgical conditions of endocrine:**

- Nursing care and management of (pre, intra & post-operative) care for patient with endocrine surgery e.g. thyroidectomy, surgical intervention for diabetic patient, amputation.

UNIT 6

- **Surgical conditions of Urinary system:**

- Urine retention & urine incontinence, prostate hypertrophy & prostatectomy, renal stones & surgical intervention (nephro-pyelo, urtolithotomy).
- Renal transplantation,
- Congenital abnormalities and surgical interventions.
- Nursing care and management of (pre, intra & post-operative) care of patient with urological surgical intervention.

B/ Practical training in:

- General surgical wards.
- Orthopedic wards.
- Physiotherapy department.
- Outpatient department.
- Blood bank.
- Urology department.
- Practical training on preparing patient & equipment and helping the doctor in different X-rays and different types of investigations.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= EPIDEMIOLOGY

code = NS214

credit =2 hours

Course description :

This **course** is designed to study the distribution and determinants of health and disease in human populations. Improving health by altering personal and environmental risk factors will be a major focus.

Course Objectives:

At the end of the course the student will be **able to:-**

- Discuss the impact of the prevalent communicable and non-communicable conditions on community and national health.
- Recognize the preventive and therapeutic approaches taken towards the major endemic parasitic in the country.
- Define epidemiology.
- -Know the common causes of epidemic.
- Explain morbidity and mortality measures.
- Know experimental epidemiology
- Know the analytic epidemiology
- Statistics and keep records
- Demonstrate ability take to measures that prevent the spread of infectious diseases.
- Demonstrate ability to carry out statistical calculations and to keep accurate records.

Content:

- Definition of epidemiology
- Morbidity and mortality measures
- Descriptive, experimental, and analytic and preventive epidemiology.
- Infectious diseases (infection process, reservoir of infection, mode of transmission, patterns of disease occurrence, preventive and control measures).
- Sexual transmitted diseases.
- Manage the client with tropical and communicable diseases.

Students Evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= PHARMACOLOGY

code = NS215

credit hours=3

Course description :

The course provides a working description of the principles of pharmacodynamics and pharmacokinetics and identifies the role of nerve pathways in the action of drugs. An emphasis on understanding the action of medications, safe administration practices and competence in drug calculations is made.

Course Objectives:

At the end of this course the student will be **able to:-**

- Administer safely to patient the medication mainly used in the treatment of diseases.
- Define the various terms used in pharmacology.
- Describe the major classification of drugs,
- State the uses, doses, route of administration, mode of action, metabolism, toxic effects, side effects, and elimination of drugs from the body.
- Explain the rules of medication in service area (economic factor, management, storage).
- Describe the factors which determine doses and course of treatment
- Explain the important of keeping correct document of administrating drugs.
- Read, interpret and implement a prescription.
- Discuss dangers of drug abuse and suitable precautions to prevent this abuse.
- Describe the legal control of drugs in Sudan.

- Read, interpret, implement prescription and accurately document drug administrating.
- Attitude:
- Follow the ethical consideration in administrating medication.
- Show responsibility in administrating, storage, distribution and economy of drugs.

Content:

- Definition of terms. ,
- -Drug calculation.
- Classification of drugs: antibiotic, antiseptic, antifungal, drugs used to; relive pain & inflammation, treat gastrointestinal disorders, affecting central nervous system, treat respiratory disorders, treat eye disorders, drugs used in cardiovascular disorders, vitamins& minerals,
- Treat nutritional disorders, treat hormonal disorders, affect the reproductive system, treat cancer and treat skin disorders.
- Pharmacological and trade names of the drugs.
- Reading, interpretation and implementation of drug order, drug storage.
- Uses, dosages, routes of administration, mode of action, metabolism, toxic effects, side effects, and elimination of drugs from body.
- Drug abuse, control and prevention
- Economic factors affecting drug acquisition.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Finalexam: (Theory-Practical).....70%

Course name=ENGLISH LANGUAGE 111

code = NS 216

credit hours=2hours

Course Objectives:

At the end of this course the student will be able to master the following:

- Read and write in English and write records
- Understand conversation, lectures, medical terminology, materials in the library and written records
- Construct sentences & write case study, report and project.
- Communicate in English by listening and speaking.
- Read and comprehend materials written in English.
- Use medical terminology in daily tasks.

Content:

- Advance sentence structure.
- Speaking English fluently.
- Medical terminology.
- Reading English.
- Reading, writing and presenting record, case study and seminars in English.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name: Arabic language 111

code: NS 217

Credit: 2 h

الاهداف:

عند نهاية المقرر يكون الطالب قادرا علي:

- معرفة الشعر ودوره في الحياة
- معرفة النصوص الادبية واساليبها ومكوناتها
- الوقوف على شعر بعض الشعراء

يحتوي المقرر

علي مجموعة من النصوص الادبية الرفيعة والاساليب الادبية والعلمية .

1. تمنية ملكة القراءة والفهم والتذوق من خلال الاثار الادبية والمظاهر الجمالية .
2. الوقوف علي الاساليب ومكوناتها .
3. التمكين من استخدام المعاجم بأنواعها , الاساليب – اللغة العربية .
 - الحجاج بن يوسف قائد وخطيبا .
 - الشعر ودورة في الحياة العسكرية .
 - زهير واين زيدون نماذج .
 - المصطلح العلمي والتعريب .
 - المعقولات .
 - الممنوع من الصرف .
 - المعاجم والموسوعات .

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Name of the course: ISLAMIC CULTUE111

Course code: NS 218

Credit hours: 2 hours

Course Objectives

الاهداف:

عند نهاية المقرر يكون الطالب قادرا علي:

- معرفة العقيدة الاسلامية بصورة واضحة
- معرفة مميزات الرسالة المحمدية

محتوي المقرر

1. الاصول ومجموعة الحقائق الايمانية او العقائدة التي جاء بها الشرع ودعا العباد الي الايمان بها ايمانا يقينا لا شك فيه والجزم يحثها والايمان بها .
2. العقيدة الاسلامية علاقتها بالعبادات والاخلاق.
3. اعمال الانسان و الايمان.
4. الايمان بالله تعالى هو اصل العقيدة واساسها وعليه تبني كل اصول الايمان .
5. بيان لماذا قدم ذكر الملائكة في الكتاب والسنة علي ذكر الكتاب والنبیین .
6. الكتب التي ورد ذكرها من الكتاب والسنة وما تضمنته من القيم الاخلاقية والموازين الالهية .
7. ان يدرك ان الله سبحانه وتعالى ارسل الرسل وبعث فيهم الانبياء ليهدوا الناس الي الحق وما يحقق لهم السعادة في الدنيا والاخرة لئلا يكون للناس علي الله حجة بعد الرسل .
8. ان تدرك خصائص الرسالة المحمدية وامتيزت به عن سائر الرسالات الالهية فهي الرسالة الخاتمة العام لجميع البشر .

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= ADULT MEDICAL NURSING 2

Course code = NS 221

Course credit hours=5 hours

COURSE DESCRIPTION

The purpose of this course is to widen the student's knowledge and develop proficiency in caring for patients with medical problems. This course includes review of relevant anatomy and physiology, pathophysiology in medical disorders and the nursing management of these conditions.

Course Objectives:

- At the end of the course the student will be **able to:**
- Advocate, care, support and give information to clients and families
- Describe the care needed for the client with special medical conditions.
- State the steps of nursing process; assessment & nursing diagnosis, plan, implementation and evaluation for a client with special medical conditions following the holistic approach.
- Demonstrate ability to apply nursing process (assessment, planning, implement, evaluating) for the client in specific medical conditions.
- Demonstrate ability to care for clients need critical medical nursing care (air way intubations, monitor, CPR, CCU and ICU).
- -Demonstrate the ability to care effectively for patient with (cancer, neurological problem.
- Apply and follow the ethical consideration in caring with client and his family
- Follow-up the client

Content:

A/ Theoretical teaching on:

- Nursing care and management for patient in the critical units.
- Prevention, pathology, clinical, manifestations, investigations treatment medical nursing management using nursing process and rehabilitation for the client with chronic medical conditions, for the following:

UNIT =1

- **Medical conditions of cardiovascular system:**
- Review structure and functions of the cardiovascular system.
- Hypertension,
- Ischemic heart diseases (angina pectoris and myocardial infraction).
- Rheumatic heart disease.
- Atherosclerosis
- Arrhythmias.
- Heart failure –pulmonary oedema.
- Cardiac investigations.

UNIT =2

- **Medical conditions of nervous system:**
- Review anatomy and physiology of nervous system and brain circulation.
- Headache, Meningitis, Cerebra vascular accidents, Epilepsy, Parkinson's disease, Paraplegia.

UNIT =3

-Emergency:-

- Nursing management of emergency medical conditions
- Work as a member of health team work effectively and rapidly in emergency situation
- Supporting and reporting to the family.

UNIT =4

-Oncology:-

- Types of tumours.
- Nursing management of patient with cancer conditions.
- Nursing management of patient receiving chemotherapy
- Nursing management of patient receiving radiotherapy.

UNIT= 5

-Skin disorders:-

- Review anatomy and physiology of skin
- Common signs and symptoms of skin disorders
- Nursing and management of common skin diseases in Sudan using barrier nursing care and health education of infected skin disorders.
- Allergies, eczema, scabies, psoriasis, tines, impetigo. Wart, corns, boils and abscesses, acne, herpes zoster.
- Musculoskeletal disorders e.g. rheumatoid arthritis, gout, systemic loops erythromatosis,

B/ Practical training in:

- Cardiac medical units.
- Critical care units (intensive care unit e.g. CCU)
- Neurological wards.
- -Skin departmental diseases
- Emergency and outpatient causality department.
- Oncology departments

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= ADULT SURGICAL NURSING 2

Course code = NS 222

credit =5 h

COURSE DESCRIPTION

The purpose of this course is to widen the student's knowledge and develop proficiency in caring for patients with surgical problems. This course includes review of relevant anatomy and physiology, Pathophysiology in surgical disorders and the nursing management of these conditions.

Course Objectives

At the end of the course the student will be **able to:**

- Describe the care needed for the client with special surgical conditions.
- State the steps of nursing process; assessment & nursing diagnosis, plan, implementation and evaluation for a client with special and surgical conditions following the holistic approach.
- Demonstrate ability to apply nursing process (assessment, planning, implement, evaluating) for the client in specific surgical conditions.
- Demonstrate ability to care for clients need critical surgical nursing care (air way intubations, Glasgow Coma Scale, monitor, CPR, and ICU).
- -Demonstrate the ability to care effectively for patient with, neurosurgery problem, cardiothoracic surgery, eyes problem, ENT, and theater nursing.
- Apply and follow the ethical consideration in caring with client and his family

Content:

A/ Theoretical teaching on:

- Nursing care and management for patient in the critical units.
- Prevention, pathology, clinical, manifestations, investigations treatment medical and surgical nursing management using nursing process and rehabilitation for the client with chronic medical and surgical conditions, for the following:

UNIT=1

- **Surgical conditions of cardiovascular system:**
- Cardiothoracic surgery.

UNIT=2

- **Surgical conditions of nervous system:**
- Head injuries, Glasgow Coma Scale, Tumours, Spinal fracture & Paraplegia.
- Pre, intra and post-operative nursing management for client with neurosurgery.

UNIT=3

- **-Ophathmolgy:-**
- Review structure and function of the eye.
- Eye infections, eyelid cyst, inversion and abscess, allergy.
- Foreign body and first aid.
- Cataract.
- Eye trauma and bleeding, corneal ulcers
- Glaucoma, squinting.
- Eye neuromuscular problems.
- Pre, intra and post-operative nursing management for client with eye surgery.

UNIT=4

- **Medical and surgical conditions of Ear, nose, and throat:**

- Review structure and functions of ear, nose, and throat.
- Diseases and surgical interventions of ear (otitis external, media & internal, perforated tympanum (ear dram), impair hearing, foreign body in the ear, mastoiditis, vertigo, motion sickness and loss of balance).
- Pre-intra-post-operative nursing care for patient going for ear surgery.
- Diseases and surgical intervention of the nose (Nose bleeding, rhinitis, sinusitis, foreign bodies in the nose, polyps, tumours, loss of smell, septum defects and adenitis).
- Pre-intra-post-operative nursing care for patient going for nose surgery.
- Disease and surgical intervention of the mouth and throat (Sore throat, laryngitis, pharyngitis, gingivitis tonsillitis and tonsillectomy, tumours).
- Pre-intra-post-operative of patient with oral and throat surgery.

UNIT=5

- **Anaesthesia and theatre:-**
- Definition and types of anesthesia, analgesia and hypnosis.
- General nursing care of client under anesthesia.
- Complications of anesthesia, and their management and nursing care.
- Theater techniques: e.g. maintaining sterile field, hand scrubbing don of sterile gown and gloves.
- Positioning of client, draping, care and count of instrument, specimens & biopsy (collection, labeling and storing), supporting and keeping family informed.
- Two different roles of the nurse in theatre; circulating and scrub.
- Transfer the client to his unit after he recover from anesthesia and report to the nurse unit about his condition and care and management.

UNIT=6

-Emergency:-

- Nursing management of emergency surgical conditions
- Nursing management of emergency medical conditions
- Work as a member of health team work effectively and rapidly in emergency situation
- Supporting and reporting to the family.

UNIT=7

Oral surgical conditions

- **B/ Practical training in:**
- Critical care units (intensive care unit e.g. ICU)
- Neurosurgical wards.
- Emergency and outpatient casualty department.
- Ophthalmic department.
- Ear, nose, throat department.
- Operation rooms and recovery rooms.
- Dental department.
- General Surgical wards.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= DIET THERAPY

Course code = NS 223

credit =2h

Course description:

This course introduce nursing students to the interrelationships among nutrition and Identify the therapeutic diet for certain diseases.

Objectives

- At the end of this course the student will be able to :
- Understand the effect of diet therapy on the different group of age.
- Understand the important of diet therapy in treatment of some diseases.
- Explain the suitable diet in different types of health problem and diseases.
- Demonstrate the ability to prepare the food for persons with different health problem .
- Demonstrate the ability to teach individuals with health problem about suitable diet.

Content:-

- Effect of diet therapy on different group of age .
- The diet for different types of health problems and diseases (protein malnutrition, diarrhea constipation, fever, liver diseases, urinary problems, diabetes mellitus hypertension, heart diseases, obesity, peptic ulcers and other conditions).

- Practical training for preparation diet therapy and give teaching on it .

Course evaluation

- Continuous.....20%
- Final exam.....80%

Course name= COMMUNICATION SKILLS

code = NS 224

credit =2 h

Course Objectives

At the end of this course the student will be able to:

- Describe the principles of interpersonal relationships and communication techniques used for interaction with a variety of individuals and groups in various health care setting.
- Use various approaches to therapeutic communication with individuals, groups in various health care setting.

Content:-

- Therapeutic and interpersonal relationship.
- Principle of communication.
- Factors affect communication.
- Types of communication (verbal and nonverbal).
- Therapeutic communication (purpose, technique use to enhance communication).
- Technology in communication and nursing care.
- Practical demonstration in communication.

Students evaluation

- Continuous evaluation including the mid Semester exam.....30 %
- Final exam: (Theory - Practical) 70%

Course name=SOCIOLOGY & ANTHRPOLOGY

code = NS 225

credit =2h

Course description :

provides an overview of the field of social and cultural anthropology. It covers key anthropological concepts used to study issues such as inequality, social justice, the environment, work, politics and law, family, identity, gender and sexuality, ethnicity, spirituality, and communication.

Course Objectives:

At the end of the course the student will be able to:

- Discuss the various social systems in Sudan with emphasis on their effect upon the health of the community.
- Recognize the impact of cultural norms, traditions and beliefs on individuals and community in the country while planning and implementing nursing care for the maintenance of health and prevention of illness.

CONTENT:

- Definition of terminology
- Organization, function, types, criteria of each type, social systems in Sudan.
- Impact of social system on various aspects of life (Economic, educational, health)
- Roles of health institutions and health workers.
- Social aspects of hospitalization, disease, management, prevention.
- Stages of terminal disease (denial, anger, fear, stigma, acceptance)
- Different types of culture in Sudan.
- Influence of culture on health status of the individuals and communities.

- Traditions and beliefs and their influence on health.
- Impact of cultural assignation of roles on health profession.
- Culture norms and values affecting health practice.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= PSYCHOLOGY

code = NS 226

credit hours=2h

course description :

aim of this course is used to assess the client and to incorporate consideration of the client's needs, state of wellness, developmental level, and response to life experiences. The campus laboratory experience consists of practice with clients.

Course Objectives:

At the end of this course the student will be able to:-

- Identify the essential emotional needs related to stages in the life cycle of individuals and their impact on personal health and the health of significant others.
- Describe the development of psychology and the different types of theories.

Content:

- Definition and development of psychology and theories.
- Corner stone in life cycle of male and female individual.
- Basic physical and emotional needs at various stages of life.
- The effects of unmet needs in the various stages of life.
- Impact of woman health and social well-being on family and community development.
- Influencing factors affect learning.
- The self-concept (development of self-concept, components of self-concept, self and autonomy, self and personal values and actualization).
- Self and others selves, public and private significant others.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name=SUDANESE ASUDIES

code = NS227

credit =2h

أهداف المقرر:

بنهاية دراسة هذا المقرر يكون الطالب قادرًا علي :-

- تعريف بالمعارف الأساسية عن وطنه وقضاياها
- تقوية وتنمية روح الجماعة والمواطنة لدى الطالب للإسهام الفاعل في بناء وطنه والدفاع عنه.
- إبراز مكونات وخصائص المجتمع السوداني.
- تعريف الطالب بإسهامات بعض الرموز الوطنية للإقتداء بها

محتوي المقرر:

- 1) ماهية الدراسات السودانية ومصادرها .
- 2) الجغرافيا والسكان .(موقع السودان الجغرافي – المناخ – القبائل وتوزيعها – وسبل كسب عيشها).
- 3) الموارد الطبيعية والاقتصادية والمشروعات التنموية. (زراعية – حيوانية – مائية – نفطية – صناعية – الطاقة – الاتصالات – السدود ...).
- 4) التطور التاريخي والسياسي : (خريطة زمنية لتاريخ السودان القديم والوسيط والحديث).
- 5) الحركة الوطنية والسودان المعاصر: (التطورات السياسية حتى توقيع اتفاقية السلام)
- 6) الثقافة والهوية السودانية:

i. 1.6 مفهوم الثقافة ، مكوناتها ، خصائص الثقافة السودانية وتنوعها.

ii. 2.6 الهوية السودانية (مفهومها – مكوناتها – خصائص الهوية السودانية).

iii. 3.6 إبراز الآثار العربية والأفريقية والدينية.

التقييم :

امتحان نظري.....%70

واجبات.....%20

سمنارات.....%10

المستوى الأول

الثالث

Course name:GENETICS

code: NS 311

Credit: 2 h

Course Description :

This course is designed to equip the students with a fundamental concepts and methods of human molecular genetics and the genetic system and illustrates the patterns of transmission of genetic information

Course Objectives:

At end of this course the student will be **able to-:**

- Understand, explain and discuss the following:-
- Definition of terms.
- Understand genetic diseases in general.

Content

- Definition of terminology.
- Structure of DNA and RNA.
- Mendel's laws for genetics.
- Genetic Code.
- Cytogenetic.
- Chromosomes and gender.
- Genes and protein synthesis
- Replication and transcription.
- Human genome project.
- Genes mutations

- Inherited diseases.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= OBSTETRICAL NURSING

code = NS 312

credit =6 h

Course Description-

This course is designed for students to acquire knowledge and skills in obstetrical nursing. It helps them to apply nursing care to normal and high risk pregnant and neonates in hospital and community settings.

Course Objectives

At the end of this course student should be **able to:**

- Identify the anatomy and physiology of female and male Reproductive system
- Identify of
- Embryology and fetology.
- Explain the changes that occur in the genital organs and different body systems during pregnancy.
- Identify how
- pregnancy occurs, symptoms and signs and the diagnosis.
- Take the information for the mother and recorded correctly
- Provide care, advice and guidance to pregnant women on her first visit and subsequent visits.
- Identify of nutrition for pregnant and lactated women
- Provide advice and counseling for pregnant women to prevent and treatment the minor problems that sometimes occur in pregnancy.

- Provide integrated nursing care for high risk group in pregnancy.
 - Define normal labour
 - Provide nursing care integrated during each stage of labor The perform normal delivery
- Provide integrated nursing care for the mother and newborn immediately after birth.
- Define normal puerperium
 - Provide integrated nursing Care for emergencies during pregnancy, labour, and postpartum
 - Provide integrated nursing Care for woman in postpartum period and newborn.
- Provide integrated nursing care of cases of postpartum complications
- provide integrated nursing care for newborns with congenital abnormalities, the illness and premature.
 - Identify the concept, purposes and methods of family Planning.
 - Demonstrate ability to provide care for pregnant women and recognize the abnormal condition and referred them.
 - Demonstrate ability to confirm labour and to care for the women during the stages of labour (monitoring and observation during the labour process.)
 - Demonstrate ability to safety assist in the delivery of a baby and assess the condition of the newborn using Apgar score.
 - Demonstrate ability to carry out observation and care in the post partum period.
 - Demonstrate ability to encourage and assist mother for breast feeding.

- Demonstrate ability to report and record the labour.

Content:-

A/Theoretical teaching on:-

UNIT=1

- Introduction
- definition of terminology

UNIT=2

- Anatomy and physiology Of female and male reproductive system, (the pelvis, The normal pelvic size, types of the pelvis and Narrow pelvis)

UNIT=3

- **Hormonal Cycles** (hormonal control, ovum formation, ovarian hormones, ovulation, menstrual cycle - puberty)

UNIT=4

Embryology &fetology

- (fertilization ,implantation Development of the fertilized ovum)
- Development of the placenta and foetus
- Growth and development of the foetus
- Fetal circulation.
- Fetal skull.

UNIT=5

Normal pregnancy.

- Physiological changes due to pregnancy.

- Diagnosis of pregnancy
- Ante natal care
- General examination–obstetric examination-normal fetal position- the first visit, subsequent visits, counseling pregnant women to maintain health and the health of her fetus, nutrition of pregnant and lactated women
- Minor disorder occur in pregnancy and how to
- Prevent the occurrence and treatment.

UNIT=6

Abnormal pregnancy.

- **Complications of pregnancy:**

1- bleeding in the first months of pregnancy –

- Abortion (spontaneous and induce abortion)
- Ectopic pregnancy,
- -hydatidiform mole

2-hyper emesis gravid arum

3-multiple pregnancy

4-Amniotic disorder (polyhydramness –oligohydramnios)

5-bleeding after the twenty eight weeks of pregnancy (ante partum hemorrhage)

6-Medical disorders associated with pregnancy (cardiac disease, anemia in pregnancy, diabetes mellitus, renal disease, liver disease. Hypertensive disorder of pregnancy (PIH-CHP).Malaria. Toxoplasmosis ,Pulmonary TB

B-practical training: -.

- Hospital (ante natal ward ,emergency and clinic)-MCH center.

UNIT=7

- **Normal labour** (confirm of labour, physiology and management in each stage of labour

UNIT=8

-Abnormal labour

- mal positions
- mal presentation
- premature Labour,
- Premature rupture of membranes ,
- Induction of labour
- Prolonged labour
- obstructed Labour
- Cord prolapsed

UNIT=9

- **-Obstetric Emergency (Complicationsof the third Stage of labor):**
post-partum haemorrhage
- Retained placenta
- Uterine inversion
- Rupture uterus
- Laceration of the perineum

UNIT=10

- Obstetric operation:-

- Caesarean section
- Forceps Delivery
- Vacuum extraction
- Episiotomy

UNIT=11

-Physiology and management of normal puerperium

UNIT=12

- Complication of puerperium

UNIT=13

- Physiology of new-born
- New-born care immediately after birth
- Daily nursing care
- Minor problems that may affect
- Care of premature infants and patients with congenital anomalies.

UNIT=14

-Family planning

- The date
- Concept and objectives of family planning
- Contraception

- Methods
- The Islamic view on family planning

B-practical training: -

- Ante natal ward
- Emergency and clinic
- Delivery room
- Post natal ward
- Nursery (Intensive care unit)
- Maternal and child health centers

Course evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical)
 - theory30%
 - practical.....40%

Course name= GYNECOLOGICAL NURSING

Course code = NS 313

Course credit hours=2 hours

Course Description :

The course is designed to help students acquire knowledge and develop competencies to gynaecological care of women across the life span.

Course Objectives

At the end of this course the student will be **able to:** -

- -Identify of the various gynaecological diseases.
- Identify of medical care to be provided.
- Provide nursing care integrated for different cases
- Identify of female genital mutilationdisadvantages
- Identify of sexually transmitted diseases and prevention.
- -Demonstrate ability to care for gynaecological condition.
- Demonstrate ability to follow barrier nursing in dealing with infectious patients.

Contents:-

A-Theoretical teaching on:

- Introduction
- Definition of terminology

- Menstrual cycle disorders -menopause
- Genital malformation and its impact on pregnancy and labor
- Sexual transmitted diseases (Syphilis, Gonorrhoea, AIDS, Candida, Vaginitis, Chlamydia)
- Uterine tumors and fibroid
- Ovarian and cervical cancer
- Pelvic inflammatory disease
- Uterine prolapse, urinary fistula
- Female genital mutilation history, types, complication, Infertility

B-Practical training:

Gynaecological wards

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= HEALTH ECONOMICS

code = NS 314

Course credit hours=2 hours

Course Objectives

At the end of this course the student will be able to:-

- Define health economic.
- Understand the concepts of economic and the use of it in health planning.
- Describe individual health and the effect of it on the income.
- Understand cost benefit cost effectiveness of health.
- Identify needs and the cost of nursing unit.
- Plan for cost benefit cost effectiveness of nursing services in certain nursing setting.
- Demonstrate ability to manage nursing services with minimum cost and to plan for nursing services needs and cost.

Content:

- Definition of terminology.
- Economic concepts and health.
- The effect of the disease on individual income.
- Health cost and health effectiveness of nursing and of the hospital as whole.

- Nursing services needs and economic.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name: - COUNSELING AND GUIDANCE

code: NS 315

Credit hours: 2 h

Course Objectives:

At the end of this course the student will be able to:

- Define counseling.
- Describe the principles of counseling.
- Explain the qualities of counselor.
- Describe the situation where counseling can be applied.
- Discuss the different techniques of counseling.
- Describe the available agencies for counseling in the community.
- Demonstrate ability to perform a counseling session.

Content:

- Definition of counseling.
- Qualities of counselor.
- Principles of counseling.
- Techniques of counseling.
- Referral agencies of counseling in the community.
- Practical training on preparation and implementation of a counseling session.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name: - EDUCATION AND EDUCATIONAL TECNOLOGY

code: NS 316

Credit: 2 h

Course Description:

This course is designed to help the students acquire an understanding of the principles and methods of teaching. It helps to develop skill to maintain effective interpersonal , individuals and groups in clinical, community health educational settings.

Course Objectives:

At the end of this course the student will be able to:

- Define education, teaching, learning.
- Understand curriculum and its content.
- Explain objectives of; curriculum, course, and teaching topic.
- Describe the different methods of teaching.
- Describe the process of training the practical session.
- Describe the different types of audio visual aids.
- Describe the different types of evaluation.
- Demonstrate ability to prepare and apply theoretic lesson using suitable method of teaching.
- Demonstrate ability to prepare and apply practical training session using suitable material and audiovisual aids.
- Demonstrate ability to use educational technology for self-learning.

Content:

- Definition of terms.
- Curriculum and its content.
- Objectives at different level (curriculum, course and topic).
- Methods of teaching and training.
- Methods of evaluation
- Audio visual material and educational technology.
- Practical training on preparing theoretical lesson and conducting it.
- Preparing practical training session and apply it.
- Use of educational technology

Students evaluation

- Continuous evaluation including the mid Semester exam..30 %
- Final exam: (Theory - Practical) 70%

Course name: - NURSING THEORIES

code: NS 317

Credit: 2 h

Course Description:

This course is designed to develop an understanding to the students about philosophies and theories in nursing to improve patient care.

Course Objectives:

At end of this course the student will be able to

- Understand, explain and discuss the following:-
- Definition of terms.
- Development of nursing theory.
- Components of nursing theory.
- Understand of some nursing theories commonly use.

Content:

- Definition of terminology.
- Development of nursing theory.
- Components of nursing theory.
- Levels of nursing theory.
- Common nursing theories e.g. self-care theory, adaptation theory and basic needs theory.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= PAEDIATRICS NURSING

code = NS 321

credit hours=7 h

Course description-

This course is designed for developing and understanding of the approach to child care, identification, prevention and nursing management of common problems of children.

Course Objectives

At the end of this course the student will be **able to:-**

- Define terminology.
- Principles child care.
- Describe the different stages of growth and development and the abnormalities of them.
- Understand the approach of holistic care childhood diseases.
- Explain and discuss the preventable childhood diseases.
- Identify the needs of the child at different stages of growth and development.
- Identify the important of play for child.
- Identify the accidents and hazards at different age.
- Understand, explain, and describe the care of the child suffering from following disease; (Surgical conditions, Emergency conditions, Respiratory system, Digestive system, Urinary system, Malnutrition, Blood, Skin, Ear, nose & throat, Nervous system, Endocrine system).

- Demonstrate ability to provide good therapeutic relation with the child and his mother.
- Demonstrate ability to assess and monitor growth and development of the child and identify the abnormalities.
- Demonstrate ability to provide health education to parents.
- Demonstrate ability to assess and provide nursing care for child during various therapeutic and diagnostic procedures.
- Display gentleness, patience, understanding thoroughness and comply with ethical rule and regulations of the profession.

Content:

A/ Theoretical teaching on:

Unit=1

- Introduction
- Definition of terminology.

Unit=2

- Principles of child care
- Primary child care (growth and development, play nutrition, vaccination, child needs, common child accidents at different age, epidemiology in relation to children).

Unit=3

- Holistic approach management of childhood diseases.

Unit=4

- Preventable childhood diseases (measles, poliomyelitis, tetanus, tuberculosis, whooping cough, chicken pox and diphtheria) this include causative agents, signs and symptoms, management nursing care and prevention (vaccination).
- Review anatomy and physiology, causes, clinical manifestations, investigation &diagnostic procedure, and management nursing care for child **suffering from the following:-**

Unit=5

- Diseases of respiratory system

- pneumonias, allergies, asthma, chest infection, bronchitis, respiratory failure and mechanical ventilation, and oxygen therapy.

Unit=6

Diseases of digestive system

- stomatitis, gastroenteritis worms, dysenteries, diarrhoea and dehydration

Unit=7

Diseases of urinary system

- congenital, pyelonephritis, nephritic syndrome, stones, renal failure

Unit=8

Heart diseases

- congenital HD, rheumatic HD, heart failure and cardiopulmonary resuscitation.

Unit=9

Malnutrition diseases

- Marasmus, kawashikour

Unit=10

Blood diseases

- Anemia ,leukemia ,bleeding disorders and hemophilia)

Unit=11

Endocrine diseases

- diabetes mellitus, thyroid, adrenal and pituitary disorders

Unit=12

Diseases of nervous system

- convulsions, epilepsy, meningitis, coma, paralysis and handicaps & mental retardation).

Unit=13

Skin diseases

- allergies, eczema, skin infection bacterial, protozoa, and fungal infection.

Unit=14

Diseases of ear, nose and throat

- otitis media, foreign bodies, tonsillitis and nasal polyps.

Unit=15

Pediatrics surgery

- Congenital anomalies (cleft palate and hare lip, imperforated urinary meatus, imperforated anus, club foot, intestinal abstraction, undesigning testis, malignant tumours).
- Nursing care and management of (pre, intra &post-operative) care for child going for surgical intervention.

B/Practical training in:

- MCH centres for primary child care.
- Kinder garden.
- -Hospital paediatric wards (medical, surgical, nutritional unit and emergency unit, neonatal unit).

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= PSYCHIATIC AND MENTAL HEALTH NURSING

code = NS 322

credit =5 h

Course description-

This course is designed for developing an understanding of the modern approach of mental health, identification, prevention and nursing management of common mental health problems. With special emphasis on therapeutic and nursing intervention for individuals, family and community

Course Objectives

At the end of this course the student will be **able to:-**

- Define psychiatry.
- Describe concepts of mental health and mental illness.
- Explain the factors influencing mental health status.
- Describe the principles of management of mental health.
- Understand and explain the characteristics of a therapeutic relationship.
- Describe the different types of personality and identify personality disorders.
- Understand and explain the management and nursing care for psychiatric cases.
- Demonstrate ability to interact with clients, relatives and staff.
- Demonstrate ability to educate the community how to accept and help the psychiatric cases
- Demonstrate ability to differentiate between mental illness and physiological one.
- Demonstrate ability to identify personality disorders and how to manage them.

- Provide appropriate nursing support for patients and families.
- Apply and follow the ethical and legal considerations in caring with client and his family.

Contents

- Factors influence mental health status.
- Therapeutic relationship.
- Personalities and personality disorders.
- Role of the nurse in maintenance of individual and group mental health.
- Signs and symptoms, diagnostic procedure, management and nursing care of client with; anxiety, paranoid personality, alterations in mood & mania, depression, Schizophrenia, delirium and dementia.
- Responsibilities of psychiatric nurse towards the client, hospital, his /her self.
- Control of admissions

- Practical training in:

Psychiatric wards, clinic, EEG unit.

Students evaluation

- Continuous evaluation including the mid Semester exam... 30 %
- Final exam: (Theory - Practical) 70%

Course name= GERONTOLOGY NURSING

Course code = NS 323

credit =2 h

Course description-

The purpose of this course is to acquire knowledge and develop proficiency in caring for geriatric patients in varieties of health care settings and at home.

Course Objectives

At the end of this course the student will be **able to:**

- Describe the concepts and theories of geriatric care and the new trends in the management of the elderly.
- Understand the needs of elderly.
- Explain the common physiological and psychological changes that occur for elderly client.
- Describe the management of the common disorder that may occur during elderly.
- State the important of occupational therapy and rehabilitation.
- Describe the nursing care for elderly.
- Demonstrate ability to deal with the elderly needs.
- Demonstrate ability to provide nursing care for elderly people who having medical disorders using nursing process.
- Demonstrate ability to comply with ethic rules and values of the profession.
- Apply and follow the ethical consideration in caring with client.

Content:

- Definition of terminology.
- Concepts and theories of geriatric care.
- New trends in the management of the elderly.
- Physiological and psychological needs for elderly.
- Normal changes in elderly.
- Path physiological changes.
- Common medical problem that may occur in elderly (Respiratory, cardiovascular, renal, nervous system musculoskeletal system).
- Nursing management of elderly (assessment, planning, implementing and evaluating)
- **Practical training** on Elderly nursing care.

Students evaluation

- Continuous evaluation including the mid Semester exam..30 %
- Final exam: (Theory - Practical) 70%

Health Statistics

Code= Ns 324

Credit =2h

Course Description-

This course is designed to enable students to develop and understanding the basic concepts of statistics, to provide quality nursing care.

Objectives:

At the end of this course the student will be able to:-

- Recognize the importance of statistical analysis in field of nursing.
- Understand and describe general principles of statistics (introduction to vital statistics, type of information, collection of data, measure of central tendency, use of qualitative & quantitative statistics, means & comparison, analysis of results and presentation of data result and SPSS.

Content:

- Introduction to vital statistic.
- Important of health statistic.
- Method of collection of data and categories it.
- Measure of central tendency.
- Use of qualitative and quantitative statistics.

- Presentation of data.
- Hospital statistics.
- SPSS

Practical in computer lab

Course evaluation :

- Practical exam60%
- Theory exam.....30%
- Assignments10%

RESEARCH METHODOLOGY

Code= NUR 325

Credit =2h

Course Description-

This course is designed to enable students to develop and understanding of basic concepts of research, research process It is further, structured to conduct/participate in need based research studies in various settings and utilize the research findings to provide quality nursing care.

Course Objectives:

At the end of this course the student will be able to:

- Define scientific research.
- State the purposes of scientific research and the different types of it.
- Describe ethical research issue and characteristics of the researcher.
- Explain the steps of research.
- Describe the important of research in nursing Skills
- Demonstrate ability to identify and choice problem in nursing
- Demonstrate ability to write a project and a proposal to investigate nursing problem of his/her interest.
- Demonstrate ability to apply the steps of research in writing proposal.

Content:

- Definition of terminology.
- Methods and types of research.
- Steps of research; choice of the problem, state the important of it, objectives , place & time of research, population & sampling, literature review and methods of data collection (questionnaire, observation, interview and experiment).
- Methods of data analysis.
- Discussion and conclusion.
- Recommendation.
- References.
- Practical training :
 - to select a nursing problem and write a proposal to investigate it

Course evaluation

- Continuous assessment:.....30 %
- Final exam: (Theory).....70%

المستوى الرابع

الرابع

Course name=EMERGENCY &CRITICAL NURSING

code = NS 411

credit =4 h

Course description-

The purpose of this course is to acquire knowledge and develop proficiency in caring emergency situation and critical ill patients in varieties of health care settings.

Course Objectives

At the end of this course the student will be able to:

- Define of the principles and basics of nursing care for emergency cases
- Perform the cardiopulmonary resuscitation
- know and provide nursing care for the following cases:-
- Air way obstruction
- General injuries and fractures
- Injures resulting from the bombings
- Angina and stroke
- Burn
- heamorrehge
- Injuries and fractures of the head and spinal cord
- Muscular digestive system infections
- Shock

CONTENT:-

- Principles and basic of nursing care for emergency cases
- Perform the cardiopulmonary resuscitation

- Nursing care for the following cases:-
- Air way obstruction
- Injuries and fractures of the head and spinal cord
- Muscular digestive system infections
- General injuries and fractures
- Injures resulting from the bombings
- Angina and stroke
- Burn
- Shock and heamorrehge

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name=NURSING ADMINISTRATION

code = NS 412

credit =4 h

COURSE CONTENTS

This course is designed to give an opportunity to the student to gain an understanding of the principles of administration and its application to nursing service. It is also intended to assist the students to develop an understanding of professional leadership need.

Course Objectives

At the end of this course the student will be able to:

- Define terminology.
- Describe the principle of management.
- Describe the different styles of leadership.
- Explain the management process.
- State the qualities of good leaders.
- Describe the first line nursing management responsibilities.
- Describe the steps in management of health facilities.
- Understand the concept of team work, and relationship between members of the group.
- Describe the method of delegation and accountability.
- Demonstrate ability to provide leadership in team work.
- Demonstrate ability to manage health facilities (assess needs, plan, organize staff, and directing).

CONTENT:

- Definition of terminology.
- Principle of management.
- Management of hospital and other health setting.
- First line of nursing management and factors affecting management.
- Different styles of leadership and leadership in nursing.
- Qualities of good leader.
- Relation between nursing services and other services in ward.
- Concept of team work and problem solving approach.
- Methods of delegation and accountability.

Practical training

In clinical setting of team leader head nurse and staff nurse

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= COMMUNITY HEALTH NURSING -- 2

code = NS 413

credit =4 h

Course Description-

This course is designed for students to practice community health nursing to the individual, family and groups at both urban and rural setting by using concept and principle of health and community health nursing.

Course Objectives

At the end of this course the student will be able to:

- Assess the health promotion and education needs of communities ,families and individuals and provide appropriate information and advocacy.
- Discuss ethical issues around behaviour change .
- Understand, explain and describe the responsibilities and functions of community **nurse in the following:**
 - MCH services and the family planning.
 - Family health and home management.
 - Health problems in various types of communities (urban, industrial, rural, nomadic).
 - Control of diarrhoea disease.
 - Immunization.
 - Different habit affect health e.g. FGM
 - Care of elderly, handicaps and refugees

- Nursing services of various health centres (management supervision, keeping health record a report and refer).
 - Work with agencies and communities in health plan
 - Health education program.
 - Apply the principles of effective teaching
- Demonstrate the ability to provide nursing care to individuals and families in homes and community health centre's based on primary care concepts.

Content:

- Community nursing and the responsibilities of community nurse.
- Nursing services in MCH center and family planning.
- Family and home management.
- Health problems in various types of communities urban, industrial, rural and nomadic.
- Control of diarrhea disease and common diseases affecting children in Somalia
- Immunization mainly for children and women at bearing age.
- Deferent communities habits affecting health and socio -economic (drugs, alcohol, tobacco smoking, Kat and hashish).
- Female, genital mutilate (FGM) and the complication of it.
- Care of elderly, handicaps and refugees.
- Nursing services of various health centers (management, supervising, keeping health records and reports and referral).
- Community team work and agencies for plans of health.
- Disease surveillance.
- Health education.

Practical training

in health centers, the communities and in home care to individuals and families applying of health education in various communities setting with more emphasis on the rural communities.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= FORENSIC NURSING

code = NS 414

credit =2 h

course description

This course explores nursing in the fields of forensic in both criminal and civil contexts the different role and responsibilities in forensic nurses will be explore .

Course Objectives

At the end of this course the student will be able to:

- Define of the forensic medicine
- understand the medico legal issues.
- describe causes of death
- understand the illegal nursing procedures
- know sings and time death

CONTENT:

- Definition of terminology.
- Illegal nursing procedures
- Legal certificate for serious injuries
- Causes and modes of death
- poisons, rifles, blades,
- Violence toward women and children

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= Graduation research

Code= Code=NUR 415

Credit =2h

Course description

The students conduct researches in one of the nursing specialty courses under the supervision of the teacher

- Evacuate student complete graduation project at last week in semester eight.
- Accomplish supervisor on graduation project with four hour per week.

Course name= Applied Medical Nursing

code = NS 422

credit =4 h

Course Description:

This course is design to prepare students to be more competent and able to apply Medical nursing care

Course Objectives

At the end of this course the student will be **able to:**

- Demonstrate the ability of mastering most of the nursing procedures and care efficiently for the client in medical units and wards
- Demonstrate ability to apply nursing process and problem solving approach in providing nursing
- Work independently and take responsibility
- Get adaptation to the work in services manner

Content:

- **Practical training** in three shifts in medical care unit and ward
- Conduct seminar in different care topic.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= Applied surgical Nursing

code = NS 423

credit =4 h

Course Description:

This course is design to prepare students to be more competent and able to apply surgical nursing care.

Course Objectives

At the end of this course the student will be able to:

- Demonstrate the ability of mastering most of the nursing procedures and care efficiently for the client in surgical units and wards
- Demonstrate ability to apply nursing process and problem solving approach in providing nursing
- Get adaptation to the work in services manner

Content:

- **Practical training** in three shifts in surgical care unit and ward
- Conduct seminar in different care topic.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= Applied Pediatric Nursing

Course code = NS 425

credit =4 h

Course Description:

This course is design to prepare students to be more competent and able to apply pediatric nursing care.

Course Objectives

At the end of this course the student will be **able to:**

- Demonstrate the ability of mastering most of the nursing procedures and care efficiently for the client in pediatric units and wards
- Demonstrate ability to apply nursing process and problem solving approach in providing nursing
- Get adaptation to the work in services manner

Content:

- **Practical training** in three shifts in pediatric care unit and ward
- Conduct seminar in different care topic

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

Course name= applied obstetrical nursing

code = NS 424

credit =4 h

Course Description:

This course is design to prepare students to be more competent and able to apply obstetrics and gynecology nursing care.

Course Objectives

At the end of this course the student will be able to:

- Demonstrate the ability of mastering most of the nursing procedures and care efficiently for the client in surgical units and wards
- Demonstrate ability to apply nursing process and problem solving approach in providing nursing
- Get adaptation to the work in services manner

Content:

- Practical training in three shifts in labor room and emergency unit
- Conduct seminar in different care topic.

Students evaluation

- Continuous evaluation including the mid Semester exam...30 %
- Final exam: (Theory - Practical) 70%

RESEARCH METHODOLOGY (cont)

Code= NUR 325

Credit =2h

اماكن التدريب:

- معامل العلوم الاساسية
- معامل المهارات التمريضية
- المستشفيات بأقسامها المختلفة
- المراكز الصحية
- دور المسنين والمعاقين
- رياض الاطفال
- المجتمعات ذات الاحتياجات الصحية
- المدارس