وزارة التعليم العالي والبحث العلمي
جامعة الحلة
كلية التمريض

وزارة التعليم العالي والبحث العلمي

جامعة الحلة- كلية التمريض



دليل مسار بولونيا

للعام الدراسي 2025-2026

بِسْمِ اللهِ الرَّحْمَنِ الرَّحِيم

﴿ يَأَيُّهَا النَّاسُ قَدْ جَاءَتْكُمْ مَوْعِظَةٌ مِنْ رَبِّكُمْ وَشِفَاءٌ لِمَا فِي الصُّدُورِ وَهُدًى وَرَحْمَةٌ لِلْمُؤْمِنِينَ ﴾

صدق الله العلي العظيم

سورة يونس أية (57)



دليل مسار بولونيا

للعام الدراسي 2025-2026

اعداد

ا.د حسن علوان بيعي

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ثانيا :نبذة مختصرة عن كلية التمريض

تأسيس كلية التمريض جامعة الحلة



أسس قسم التمريض للدراستين الصباحية والمسائية في السنة الاكاديمية (2017 -2018) في كلية الحلة الجامعة وقد جهز القسم بالمستلزمات الضرورية للتعليم التمريضي الاكاديمي وتم تأهيل الملاك التدريسي من خلال اشراكهم في ورشات عمل ودورات بناء قدرات داخل وخارج العراق ويجري التدريب العملي الميداني في المستشفيات التعليمية ومراكز الرعاية الصحية الاولية في محافظة بابل بالتعاون مع دائرة صحة بابل واقسامها المختلفة. وفي عام 2024 تم تحويل كلية الحلة الجامعة الى جامعة الحلة وفق الامر الوزاري المرقم (18788) في 26/ 8 /2024 وبالتالي تحول قسم التمريض الى كلية وفق الامر الوزاري.

موقع الكلية بالنسبة للمخطط العام للجامعة:



كلمة السيد عميد الكلية

مهنة التمريض تُعد من أشرف وأنبل المهن الإنسانية، لما تحمله من رسالة سامية ترتبط بشكل مباشر بصحة وعافية الإنسان، وهي في جوهرها وسيلة لحفظ الحياة وصونها. وقد قال الله تعالى في كتابه العزيز:

"ومن أحياها فكأنما أحيا الناس جميعًا"

كما قال رسول الإنسانية محمد (صلى الله عليه وآله وسلم):

"لم يؤت أحد بعد اليقين خيرًا من معافاة"

ومن هذا المنطلق، أخذت كلية التمريض في جامعة الحلة على عاتقها، وبدعم من رئاسة الجامعة الموقرة، أن تعمل جاهدة عبر ملاكها التدريسي المهني الملتزم، لتحقيق رسالتها الأكاديمية السامية. حيث تسعى الكلية إلى تخريج ممرضين جامعيين أكفاء، قادرين على خدمة المجتمع، ومواجهة التحديات الصحية والأوبئة المستقبلية، مرتكزين في عملهم على التعليم التمريضي المبني على الأدلة العلمية والبراهين الرصينة، ووفق أحدث المعايير العالمية.

هدفنا تخريج ممرض جامعي خمسة نجوم يمتلك المهارات والمعارف التي تؤهله للمساهمة في تحقيق أهداف التنمية المستدامة للألفية الجديدة.

والله ولي التوفيق

ا.د. حسن علوان بيعي

العميد

الهوية التنظيمية لكلية التمريض

اسم المؤسسة	كلية التمريض- جامعة الحلة
نوع المؤسسة	تعليمية
تاريخ التأسيس	2018-2017
تاريخ الاعتراف	8/26/ 2024 م بموجب الكتاب رقم (18788) من قبل وزارة التعليم العالي والبحث العلمي
اسم الوزارة التابعة لها	وزارة التعليم العالي والبحث العلمي
نوع الكلية	اهلية
عدد الاقسام	كلية ذات قسم واحد – فرعين علميين
الموقع الجغرافي	جمهورية العراق / محافظة بابل / مدينة الحلة / الرارنجية /طريق حلة - نجف
البريد الالكتروني	college_of_nursing@hilla_unc.edu.iq
الموقع الالكتروني	https://nursing.hilla-unc.edu.iq

جدول رقم (1) الهوية التنظيمية لكلية التمريض

1. استراتيجية المؤسسة التعليمية

1.1الرؤية:

أن تكون كلية التمريض /جامعة الحلة رائدة ومتميزة في التعليم التمريضي، والبحث العلمي، وخدمة المجتمع محليًا وإقليميًا و عالميا"، ومركزًا لتأهيل ممرضين مهنيين أكفاء قادرين على مواكبة التحول الرقمي و الذكاء الاصطناعي في القطاع الصحي و تطوير الخدمات الصحية في العراق .

1.2الرسالة:-

تلتزم كلية التمريض بتقديم تعليم تمريضي عالي الجودة، وتعزيز البيئة البحثية، وبناء شراكات فاعلة مع المجتمع بإعداد خريجين ذوي كفاءة علمية ومهنية وأخلاقية ,، قادرة على تقديم رعاية صحية متكاملة تعتمد على الأدلة العلمية والتقنيات الرقمية و الذكاء الاصطناعي، بما يسهم في تعزيز صحة الفرد و الأسرة والمجتمع العراقي و منافسة احتياجات سوق العمل والتحديات المستقبلية.

1.3أهداف الكلية:-

تهدف المؤسسة الى:

- إعداد ممرضين/ممرضات أكفاء يمتلكون المعرفة العلمية والمهارات السريرية لتقديم رعاية صحية شاملة آمنة وفعالة.
- تعزيز المهنية والتفكير النقدي في ممارسات التمريض، وتشجيع اتخاذ القرار المبني على الأدلة العلمية (Evidence-Based Practice).
- تنمية القدرات في مجال البحث العلمي والعمل التمريضي المبني على الدليل.
- الالتزام بمبادئ اخلاقيات المهنة في العمل التمريضي.
- التعاون مع المؤسسات الاكاديمية والصحية المحلية والعالمية في مجال تدريب والبحث العلمي والنشاطات العلمية الأخرى.
- .مواكبة التطور الرقمي و الذكاء الاصطناعي والتحول الصحي الحديث في التعليم التمريضي، باستخدام التعليم الإلكتروني والمحاكاة والتعلم القائم على التكنولوجيا.

1.مسار بولونيا

أولاً: التعريف

مسار بولونيا (Bologna Process) هو أحد أهم الإصلاحات التعليمية في أوروبا الحديثة، حيث انطلق عام 1999 بتوقيع إعلان بولونيا من قبل وزراء التعليم العالي في 29 دولة أوروبية.
الغاية الأساسية من هذا المسار هي **إقامة فضاء أوروبي موحد للتعليم العالي** يعرف باسم European Higher Education Area) (EHEA –، بحيث تكون أنظمة الجامعات الأوروبية متقاربة في هيكليتها ومرنة في قبول الطلبة والباحثين.

أهدافه الأساسية:

- **توحيد نظام الدرجات العلمية** بما يسهّل المقارنة بين الشهادات.
- **ضمان الجودة التعليمية** من خلال معايير أوروبية مشتركة.
- **تسهيل الاعتراف بالشهادات** بين مختلف الجامعات والدول.
- **تعزيز حرية التنقل الأكاديمي** للطلبة وأعضاء هيئة التدريس.
- **الاستجابة لعصر العولمة** بجعل الجامعات الأوروبية قادرة على المنافسة عالميًا.

ثانياً: المصطلحات الأساسية

1.النظام الأوروبي لنقل وتراكم الاعتمادات(ECTS)

- هو الركيزة الأساسية لمسار بولونيا.
- يعتمد على تحويل الجهد الدراسي للطالب إلى وحدات معتمدة.(Credits)
- كل **1 ECTS = 25 ساعة عمل للطالب** وتشمل:
  - ساعات المحاضرات النظرية.
  - العمل المخبري والتطبيقي.
  - الدراسة الفردية وإعداد البحوث.
- عادةً ما يتطلب الفصل الدراسي الكامل **30 ECTS** أي حوالي 750 ساعة من الجهد.
- السنة الأكاديمية الكاملة تعادل 60.ECTS

2.عبء العمل الدراسي(Student Workload – SWL)

- يقيس الجهد الكلي المبذول من قبل الطالب.
- ينقسم إلى:
  - **Structured SWL:** يشمل الأنشطة المنظمة (محاضرات، مختبرات، ورش.(
  - **Unstructured SWL:** يشمل الأنشطة غير المنظمة (واجبات، مطالعة، دراسة ذاتية.(

3.الملحق الدبلوماسي(Diploma Supplement)

- وثيقة مرافقة للشهادة الجامعية.
- توضح تفاصيل البرنامج الأكاديمي: عدد الاعتمادات، نوع المقررات، ونواتج التعلم.

- تسهّل عملية **معادلة الشهادات** بين الجامعات الأوروبية وخارجها.
-

4.نواتج التعلم(Learning Outcomes)

- تمثل ما يجب أن يكتسبه الطالب من معارف ومهارات وكفاءات عند الانتهاء من المقرر أو البرنامج.
- هي مقياس أساسي في تصميم البرامج الدراسية وتقييمها.

5.التقييم(Assessment)

- **التكويني (Formative Assessment) :**(تقييم مستمر أثناء الدراسة بهدف تحسين التعلم.
- **الختامي (Summative Assessment) :**(تقييم نهائي يحدد ما إذا كان الطالب قد حقق نواتج التعلم.

6.المعدل الفصلي والتراكمي(GPA / CGPA)

- يُحسب المعدل بناءً على جمع (درجة الطالب × عدد الاعتمادات للمقرر) ÷ مجموع الاعتمادات.
- يوفر أداة قياس موحدة للأداء الأكاديمي تسمح بالمقارنة بين الجامعات.

ثالثاً: النظام الدراسي في مسار بولونيا

يقوم النظام على **ثلاث دورات دراسية رئيسية**:

1. **الدورة الأولى – Bachelor) بكالوريوس:(**
   - المدة: 3 إلى 4 سنوات.
   - مجموع الاعتمادات: ECTS.240–180
   - الهدف: تزويد الطالب بأساس معرفي ومهارات عامة تؤهله لسوق العمل أو الدراسات العليا.
2. **الدورة الثانية – Master) ماجستير:(**
   - المدة: 1 إلى 2 سنة.
   - مجموع الاعتمادات: ECTS.120–60
   - الهدف: التخصص في مجال محدد وتطوير مهارات البحث والتحليل.
3. **الدورة الثالثة – Doctorate) دكتوراه:(**
   - المدة: عادةً 3 إلى 4 سنوات (وقد تمتد أكثر.(
   - لا تُقاس دائمًا بالاعتمادات بل تُركز على البحث وإعداد الأطروحة.
   - الهدف: المساهمة في إنتاج المعرفة والبحث العلمي.

رابعاً: ملامح النظام

1. **توحيد نظام الدرجات:**
   - جميع الجامعات المشاركة تستخدم نفس الهيكل.(Bachelor – Master – Doctorate)
   - الشهادات قابلة للمقارنة بسهولة داخل أوروبا.
2. **مرونة التنقل الأكاديمي:(Mobility)**
   - يسمح للطلبة بالتنقل بين الجامعات الأوروبية دون فقدان الاعتمادات المكتسبة.
   - يعزز التبادل العلمي بين الجامعات.
3. **ضمان الجودة:(Quality Assurance)**
   - وُضعت معايير أوروبية موحدة لمراقبة وتحسين جودة التعليم.
   - تشمل آليات التقييم الداخلي والخارجي للبرامج.
4. **الاعتراف المتبادل بالشهادات:**

- بفضل النظام الموحد والملحق الدبلوماسي أصبح الاعتراف بالشهادات أكثر سهولة.
- يقلل من العراقيل التي كانت تواجه الخريجين عند التقديم للدراسة أو العمل خارج بلادهم.

5. **التعلم مدى الحياة:(Lifelong Learning)**
   - يشجع النظام الطالب على مواصلة التعلم واكتساب مهارات جديدة على مدار حياته.
   - يربط بين التعليم الجامعي وسوق العمل.

القبول والتسجيل في مسار بولونيا

أولاً: القبول

1.نظام الدورات الثلاث

يعتمد مسار بولونيا على تقسيم التعليم العالي إلى ثلاث دورات رئيسية:

- **الدورة الأولى :(Bachelor)** القبول فيها يتطلب شهادة الثانوية العامة أو ما يعادلها.
- **الدورة الثانية :(Master)** القبول فيها يشترط الحصول على شهادة البكالوريوس في التخصص أو مجال قريب.
- **الدورة الثالثة :(Doctorate)** القبول فيها يتطلب شهادة الماجستير أو ما يعادلها، مع تقديم مقترح بحثي أو مشروع أطروحة في كثير من الجامعات.

2.شروط إضافية للقبول

- بعض الجامعات تضع **اختبارات قبول** تقيس استعداد الطالب (خاصة في التخصصات الطبية والهندسية والفنون.(
- قد يُطلب من المتقدم اجتياز **مقابلة شخصية** لتقييم المهارات والقدرات.
- القبول لا يعتمد فقط على الشهادة السابقة، بل على **ملف الطالب الأكاديمي بالكامل**)سجل الدرجات، السيرة الذاتية، التوصيات الأكاديمية.(

3.الاعتراف بالشهادات(Diploma Supplement)

- واحدة من أهم ميزات مسار بولونيا هي وجود **الملحق الدبلوماسي**، وهو وثيقة تُرفق بالشهادة الجامعية.
- يوضح الملحق تفاصيل البرنامج الذي درسه الطالب (المقررات، عدد الساعات، الاعتمادات، نواتج التعلم.(
- هذا النظام يعزز **المعادلة الأكاديمية** ويجعل الطالب مؤهلًا للتقديم في أي جامعة أوروبية دون عراقيل كبيرة في الاعتراف بشهادته.

ثانياً: التسجيل

1.نظام الاعتمادات(ECTS)

- يعتمد التسجيل على **النظام الأوروبي لنقل وتراكم الاعتمادات** .(ECTS)
- كل **1 ECTS = 25ساعة عمل للطالب،** ويشمل:
  - ساعات المحاضرات النظرية.
  - ساعات المختبرات والتدريب العملي.
  - ساعات الدراسة الفردية والبحوث.

2.الحمل الدراسي

- عادةً يسجل الطالب **30 ECTSلكل فصل دراسي،** أي بمعدل 60 ECTS سنويًا.
- للحصول على:
  - **البكالوريوس :**يحتاج الطالب عادةً إلى 180–240 (3–4 ECTS) سنوات.(
  - **الماجستير :**بين 60–120 (1–2 ECTS) سنة.(
  - **الدكتوراه :**غالبًا لا يُقاس بالاعتمادات بل بمدة البحث وإعداد الأطروحة.

ثالثاً: إجراءات التسجيل

1. **كتالوج المقررات:(Modules Catalogue)**
   - كل جامعة تصدر دليلًا يضم المقررات الدراسية، أكوادها، عدد ساعاتها، وقيمتها بالـECTS.
   - الطالب يختار مقرراته بناءً على خطة دراسته واهتماماته.
2. **تحديد عبء العمل:(Student Workload)**
   - يتوزع عبء العمل إلى قسمين:
     - **عبء منظم :**يشمل المحاضرات، المختبرات، الدروس التطبيقية.
     - **عبء غير منظم :**يشمل الواجبات، القراءة، الدراسة الذاتية، المشاريع.
3. **السجل الأكاديمي:**
   - كل طالب يحتفظ بسجل أكاديمي يوثق المقررات التي درسها ودرجاته وفق نظام.ECTS
   - هذا السجل يُستخدم عند الانتقال إلى جامعة أخرى أو عند التقديم لمستوى أعلى من الدراسة.

رابعاً: ملامح نظام القبول والتسجيل في بولونيا

1. **الشفافية:**
   - بفضل الملحق الدبلوماسي والـECTS، يتم توضيح تفاصيل دراسة الطالب بشكل دقيق، ما يسهل تقييم مستواه الأكاديمي.
2. **المرونة:**
   - الطالب يمتلك حرية اختيار المقررات بما يناسب خطته الدراسية المستقبلية أو اهتماماته الشخصية.
3. **التنقل الأكاديمي:(Mobility)**
   - أحد الأهداف الأساسية لمسار بولونيا هو تسهيل تنقل الطلبة بين الجامعات الأوروبية مع الاعتراف الكامل بالاعتمادات التي اكتسبوها.
4. **المعادلة والاعتراف:**
   - لأن النظام موحّد، فإن معادلة المقررات والشهادات بين مختلف الجامعات والدول أصبح أكثر سهولة.

التقييم والامتحانات في مسار بولونيا

أولاً: مفهوم التقييم في نظام بولونيا

يركّز نظام بولونيا على أن التقييم ليس مجرد وسيلة لقياس تحصيل الطالب، بل هو أداة تربوية متكاملة تهدف إلى:

- مساعدة الطالب على **متابعة تقدمه الدراسي**.
- ضمان توافق مخرجات التعلم مع **المعايير الأكاديمية الأوروبية**.
- توفير **شفافية وموضوعية** في تحديد مستوى التحصيل.
- تهيئة الطالب للتنقل الأكاديمي من جامعة إلى أخرى بسهولة عبر نظام .**ECTS**

وبذلك يصبح التقييم جزءًا جوهريًا من العملية التعليمية وليس مرحلة منفصلة عنها.

ثانياً: أنواع التقييم

1.التقييم التكويني(Formative Assessment)

- **التعريف :**تقييم مستمر يتم خلال فترة الدراسة، ويركز على مساعدة الطالب لمعرفة نقاط القوة والضعف.
- **الأهداف:**
  - تحسين التعلم.
  - تصحيح الأخطاء مبكرًا.
  - تعزيز المشاركة الفعالة في الدروس.
- **الأمثلة:**
  - الاختبارات القصيرة.(Quizzes)
  - الواجبات.Homework / Assignments
  - المشاريع العملية أو المختبرية.
  - تقارير النشاطات والتدريبات العملية.

2.التقييم الختامي(Summative Assessment)

- **التعريف :**تقييم نهائي يقيس ما إذا كان الطالب قد حقق نواتج التعلم المحددة في نهاية المقرر أو البرنامج.
- **الأهداف:**
  - الحكم على مستوى الطالب.
  - تحديد الدرجة النهائية للمقرر.
- **الأمثلة:**
  - الامتحانات النصفية.(Midterm)
  - الامتحانات النهائية.(Final Exam)
  - تقارير شاملة أو مشاريع تخرج.

ثالثاً: آلية الامتحانات وتوزيع الدرجات

طبقًا لما ورد في الدليل، فإن التوزيع الأمثل لتقييم الطالب في مسار بولونيا يكون على النحو التالي:

- **التقييم التكويني (40:(%**
  - اختباران قصيران.%10 → (Quizzes)
  - واجبان.%10 → (Assignments)
  - مشاريع أو نشاطات مختبرية → 10.%
  - تقرير عملي أو بحث قصير → 10.%
- **التقييم الختامي (60:(%**
  - امتحان نصف الفصل (Midterm) مدته ساعتان → 10.%
  - الامتحان النهائي (Final Exam) مدته ساعتان → 50.%

◆وبذلك يكون مجموع التقييم**100%** = ، موزعًا بين متابعة الطالب أثناء الدراسة وقياس مخرجات التعلم النهائية.

رابعاً: نظام الدرجات(Grading System)

يعتمد نظام بولونيا على سلم درجات أوروبي موحد (ECTS Grading Scale) لتسهيل معادلة النتائج بين الجامعات، وهو كالتالي:

الوصف	التقدير	النسبة المئوية	الدرجة
أداء متميز ومتكامل	ممتاز	90 – 100	A
أداء فوق المتوسط مع بعض الأخطاء	جيد جدًا	80 – 89	B
عمل جيد لكن مع وجود أخطاء ملحوظة	جيد	70 – 79	C
عمل مرضٍ لكنه محدود	مقبول	60 – 69	D
الحد الأدنى من النجاح	نجاح ضعيف	50 – 59	E
يمكن تعويضه بعمل إضافي أو إعادة جزئية	رسوب مشروط	45 – 49	FX
قصور كبير يحتاج لإعادة المقرر بالكامل	رسوب	0 – 44	F

خامساً: حساب المعدل التراكمي GPA) وCGPA)

- **المعدل الفصلي:(GPA)**

يتم حسابه بجمع (درجة الطالب في كل مقرر × عدد وحدات الـ ECTS للمقرر) ÷ مجموع الـ ECTS للفصل.

- **المعدل التراكمي:(CGPA)**
يتم بنفس الآلية لكن بجمع نتائج جميع الفصول السابقة.

◆ الميزة في نظام بولونيا أن الاعتمادات (ECTS) موحّدة، وبالتالي يسهل نقل المعدل بين الجامعات داخل الفضاء الأوروبي للتعليم العالي.

سادساً: فلسفة التقييم في بولونيا

- **التركيز على نواتج التعلم :**لا يكفي أن يحضر الطالب المحاضرات، بل يجب أن يثبت أنه اكتسب المهارات والمعارف المطلوبة.
- **الشفافية :**كل مقرر يحتوي على وصف واضح يحدد عدد الاعتمادات، نواتج التعلم، وأدوات التقييم.
- **المرونة :**التقييم يراعي اختلاف أنماط التعلم من خلال الجمع بين الاختبارات النظرية، العملية، والأنشطة المستمرة.
- **المقارنة الدولية :**سلم الدرجات الموحد (ECTS Grading) يتيح فهمًا دقيقًا لمستوى الطالب عند الانتقال بين جامعات مختلفة.

متطلبات الدوام والامتحانات والنتائج والتأجيل وإنهاء علاقة الطالب بالدراسة واحتساب معدل التخرج في مسار بولونيا

أولاً: متطلبات الدوام

1.الالتزام بالحضور

- يعتبر الحضور للمحاضرات النظرية والعملية والمختبرات جزءًا أساسيًا من عبء الطالب الدراسي.(Student Workload)
- لا يُنظر إلى الدوام على أنه مجرد تواجد جسدي، بل هو **مشاركة فعلية** في العملية التعليمية من خلال الحوار، حل التمارين، تقديم العروض، والمشاركة في النقاشات الصفية.
- غياب الطالب بشكل متكرر قد يؤدي إلى:
  - حرمانه من دخول الامتحان النهائي.
  - أو تقليص درجته في التقييم المستمر.

2.المكونات الأساسية للدوام

- **المحاضرات :(Lecture Hours)** لتقديم المادة النظرية.
- **الدروس التطبيقية :(Tutorials)** لمراجعة المفاهيم وحل المسائل.
- **المختبرات :(Laboratory Work)** لتطبيق الجانب العملي والتجريبي.
- **السمنارات :(Seminars)** جلسات نقاشية لإثراء الجانب البحثي والنقدي.
- **التدريب العملي :(Practical/Clinical Hours)** خصوصًا في التخصصات الطبية والهندسية.
- **الدراسة الفردية :(Independent Study)** تشمل التحضير، القراءة، والبحث الذاتي.

3.ربط الدوام بالـECTS

- كل مقرر دراسي يحدد عدد ساعات الدوام المطلوبة لتحقيق الاعتمادات.
- على سبيل المثال: مقرر بقيمة **6 ECTS** يعادل حوالي **150ساعة عمل** موزعة بين حضور فعلي ودراسة فردية.

ثانياً: الامتحانات والتقييم

1.أنواع التقييم

- **التقييم التكويني:(Formative Assessment)**
  - يتم أثناء الفصل الدراسي.
  - أمثلة: الاختبارات القصيرة، الواجبات، التقارير، العروض التقديمية.
  - الهدف: تحسين أداء الطالب وإعطاؤه تغذية راجعة.
- **التقييم الختامي:(Summative Assessment)**
  - يتم في نهاية الفصل أو المقرر.
  - أمثلة: الامتحان النصفي، الامتحان النهائي، مشروع بحثي أو عملي.
  - الهدف: قياس مدى تحقيق نواتج التعلم.

2.آلية التوزيع

- **40%تقييم مستمر (تكويني:(**
  - كويزات، واجبات، تقارير، مشاريع صغيرة.
- **60%تقييم نهائي:(Summative)**
  - امتحان نصفي (Midterm) بنسبة 10.%
  - امتحان نهائي (Final Exam) بنسبة 50.%

ثالثاً: النتائج الفصلية ونظام الدرجات

1.النتائج الفصلية

- تصدر الجامعة نتائج الطالب بعد كل فصل دراسي.
- يتم توثيقها في **السجل الأكاديمي الرسمي (Transcript)** باستخدام نظام الاعتمادات.(ECTS)

2.سلم الدرجات الأوروبي(ECTS Grading Scale)

الوصف	النسبة المئوية	الرمز
ممتاز (متميز جدًا(	90 – 100	A
جيد جدًا (فوق المتوسط(	80 – 89	B
جيد	70 – 79	C
مقبول	60 – 69	D
نجاح بالكاد	50 – 59	E
رسوب قابل للتعويض	45 – 49	FX
رسوب كامل	0 – 44	F

- هذه الشفافية تجعل من السهل مقارنة الطالب بزملائه على المستوى الأوروبي.

رابعاً: التأجيل(Postponement)

- يمكن للطالب أن يطلب **تأجيل الامتحان** أو **تأجيل الفصل الدراسي** لظروف مبررة مثل:
  - المرض.
  - الحالات العائلية الطارئة.
  - الظروف القهرية (كالأوضاع الأمنية أو الكوارث.(
- التأجيل يتم عبر **طلب رسمي للجامعة** مع تقديم المستندات اللازمة.
- مبدأ بولونيا يقوم على **مرونة التعليم**، لذا فإن الجامعات ملزمة بإيجاد حلول مناسبة دون الإضرار بمسيرة الطالب الأكاديمية.

خامساً: إنهاء علاقة الطالب بالدراسة

تنهي الجامعة علاقة الطالب بالدراسة في الحالات التالية:

1. **الفصل الأكاديمي :**إذا رسب الطالب في مقرر معين عدة مرات متتالية.
2. **تجاوز المدة القصوى للدراسة :**مثل البقاء أكثر من 6 سنوات في برنامج بكالوريوس مدته 4 سنوات.
3. **الانقطاع غير المبرر :**عدم التسجيل أو الحضور لفصلين أو أكثر دون عذر رسمي.
4. **قرار الانسحاب الشخصي :**الطالب قد يطلب إنهاء دراسته بشكل رسمي.

في كل هذه الحالات، يحصل الطالب على:

- **كشف درجات رسمي** يوضح ما أنجزه من مقررات واعتمادات.
- هذا الكشف يُستخدم لمعادلة المواد إذا رغب الطالب بالالتحاق بجامعة أخرى.

سادساً: كيفية احتساب معدل التخرج

- يُحسب معدل التخرج بناءً على:

1. **المعدل الفصلي:(GPA)**

$$\text{(GPA)} = \frac{\text{(عدد ECTS للمقرر} \times \text{درجة المقرر)}}{\text{عدد ECTS للفصل}}$$

2. **المعدل التراكمي:(CGPA)**

$$\text{(GPA)} = \frac{\text{(عدد ECTS للمقرر} \times \text{درجة المقرر)}}{\text{عدد ECTS لجميع المقررات}}$$

- **أهمية:CGPA**
  - يُعتمد كمؤشر رئيسي لمستوى الطالب الأكاديمي.

- يُسجل في الشهادة النهائية والملحق الدبلوماسي.
- يُستخدم عند التقديم للماجستير، الدكتوراه، أو عند التوظيف.

الخلاصة

- **الدوام :**شرط أساسي لاكتساب الاعتمادات.
- **الامتحانات :**مزيج من التقييم المستمر والنهائي لتحقيق نواتج التعلم.
- **النتائج :**تصدر وفق نظام أوروبي موحد يضمن الشفافية.
- **التأجيل :**متاح وفق ضوابط مرنة تراعي ظروف الطالب.
- **إنهاء الدراسة :**يحدث عند الرسوب المتكرر أو الانقطاع، لكن مع الاحتفاظ بسجل أكاديمي رسمي.
- **معدل التخرج :**يُحسب بدقة باستخدام نظام النقاط والاعتمادات.(ECTS – GPA – CGPA)

وبهذا يُعد نظام بولونيا نظامًا متكاملًا يضمن **الشفافية، المرونة، والعدالة** في مسيرة الطالب الجامعية.

سابعا :العبء الدراسي المُنظَّم (Structured SWL): ويشمل ساعات الاتصال المجدولة مع المدرسين وتدخلاتهم؛

العبء الدراسي غير المُنظَّم (USWL): ويشمل الوقت الذي يقضيه الطلبة في الدراسة الذاتية، وإنجاز الواجبات الدراسية، والاستعداد لجميع أنواع الامتحانات، أي عبء التقييم.

ويُظهر الشكل أدناه الطبيعة المتغيرة لأنشطة التعلم المستقلة للطلبة (SSWL + USWL).

حساب العبء الأسبوعي المحتمل غير المهيكل (SWL)

Example: Calculation of the Total SWL for a Module with 5 ECTS

Academic Debates (4 hr Theory)

Academic Debates (4 hr Theory)					
Activity type	**Structured SWL**	**Unstructured SWL**	**#**	**Time factor**	**Workload (hr)**
Class	Class Lectures		14	4	56
L	Lab.				0
P	Practical Training				0
Self-study		Study	14	2	28
Project Work		Preparation	14	1	14
Assignment		Preparation	2	5	10
Seminars		Preparation	1	4	4
Quizes		Preparation	0	0	0
Exam		Exam Preparation	1	2	2
	Mid-term		1	2	2
		Exam Preparation	1	6	6
	Final-term		1	3	3
			Total SWL hr/sem		**125**
	SSWL = 61hr	USWL = 64hr	ECTS		**5**

Example; Calculation of the Total SWL for a Semester of 30 ECTS credits

	SWL (Lectures+Labs)	USWL
Sunday	4 h	4-6 h
Monday	4 h	4-6 h
Tuesday	4 h	4-6 h
Wednesday	4 h	4-6 h
Thursday	4 h	4-6 h
Friday	Weekend	5-6 h
Saturday		
	20 h	25-36 h
1 week (Total SWL)[1]	45 - 56 h (50 h)	
15 weeks - Full semester[2]	675 - 840 h (750 h)	
	27 - 33.6 ECTS (30 ECTS)	

SWL: Structured Workload
USWL: Unstructured Workload
[1]EHEA recommends 50 – 60 h per week.
[2]Necessary ECTS per Semester = 27.5 – 30 ECTS
[2]Necessary ECTS per B.Sc. Program = 220 – 240 ECTS

EHEA = European Higher Education Area

ثامنا: المعدل التراكمي (GPA)

- **طريقة حساب المعدل التراكمي (GPA):**
- **يتم استبدال كل درجة حرفية بما يعادلها رقميًا:**
- **A = 5.0، B = 4.0، C = 3.0، D = 2.0، و E = 1.0**

- **يتم ضرب القيمة الرقمية في عدد وحدات (ساعات) المقرر.**
- **تُجمع نواتج الضرب لجميع المقررات.**
- **يُقسم المجموع الكلي على إجمالي عدد الوحدات (الساعات).**
- **تُحسب النتيجة حتى ثلاث منازل عشرية.**
- **لا يتم تقريب المعدلات التراكمية لأعلى.**

مثال:

لقد أنهيت درجة البكالوريوس والتي تتكون من 40 مقررًا (وحدة دراسية) (5 مقررات في كل فصل دراسي)، وكل مقرر يُعادل 6 وحدات دراسية أوروبية (ECTS).

وقد حصلت على:

13 درجة A،

11 درجة B،

14 درجة C،

و2 درجة D.

تذكّر: A = 5، B = 4، C = 3، D = 2

لحساب المعدل التراكمي GPA:

اضرب الدرجة (A=5، B=4...) في عدد وحدات ECTS الخاصة بكل مقرر.

اضرب عدد المقررات التي حصلت فيها على نفس الدرجة ثم اجمع النتائج:

في هذا المثال:

$$(13 \times 6 \times 5) + (11 \times 6 \times 4) + (14 \times 6 \times 3) + (2 \times 6 \times 2) = 930$$

اقسم المجموع الكلي على إجمالي عدد وحدات ECTS لحساب المعدل التراكمي GPA:

$$930 \div 240 = 3.875$$

ملاحظة: لا يتم تقريب المعدل التراكمي.

تاسعا :الملخص التنفيذي

الدورة الأولى (درجة البكالوريوس):

4 سنوات = 8 فصول دراسية = 240 نقطة ECTS = 6000 ساعة عبء عمل الطالب (SWL)

5 سنوات = 10 فصول دراسية = 300 نقطة ECTS = 7500 ساعة SWL

6 سنوات = 12 فصل دراسي = 360 نقطة ECTS = 9000 ساعة SWL

الدورة الثانية (درجة الماجستير):

سنتان = فصلان دراسيان + سنة مشروع أطروحة = 120 نقطة ECTS

الدورة الثالثة (درجة الدكتوراه):

180 نقطة ECTS فأكثر

ملاحظات:

1 نقطة ECTS = 25 ساعة

1 فصل دراسي = 30 نقطة ECTS

1 سنة = 60 نقطة ECTS

1 فصل دراسي = 15 أسبوعًا

1 فصل دراسي = 750 ساعة SWL

1 سنة = 1500 ساعة SWL

SWL = عبء العمل المنظم (SSWL) + عبء العمل غير المنظم (USWL)

ملحق 1: دليل البرنامج الدراسي

The introduction:

The College of Nursing/ Al-Hilla University was established in 2016 to be a link within the system of colleges of the medical group in the Ministry of Higher Education and Scientific Research/ Al-Hilla University to be a major tributary of qualified national university nursing staff capable of dealing with all acute and chronic disease cases with efficiency and high quality and at all three levels of health care. (Preventive, curative, and rehabilitative) to provide health services to the individual, family, and community, in response to the requirements of community needs and the Iraqi health labor market, and to keep pace with scientific changes and developments at the local, regional, and global levels.

Since the beginning of the college's journey, granting a Bachelor of Science degree in nursing, this journey has continued and progressed at a rapid and steady pace through its study plans that aim to raise the quality of educational outcomes capable of dealing with scientific developments and modern technologies .

The first class of the Bachelor of Science in Nursing program graduated in 2023 to provide the Iraqi health labor market with nursing leaders capable of managing, treating, and making appropriate decisions when dealing with various medical cases through correct scientific analysis, critical thinking, and using the outputs and results of scientific research in the nursing process.

The college seeks to raise the scientific level of its academic and research curricula, as well as its local and international scientific reputation, in response to the requirements for obtaining international accreditation and excellence in line with the vision,

philosophy, and mission of the university... with the support of the active university administration, which provides all requirements and supplies in a unique scientific manner in response to the interest, care, and generous support of the university. The College of Nursing at the University of Al-Hilla aspires to be a beacon of excellence and leadership in nursing education, research, community service, and public health awareness. We strive to align with the University of Al-Hilla 's vision and become a prominent force among Iraqi nursing colleges, while also fostering healthy competition with our peers in Arab universities.

- **Message/Mission**

The University of Al-Hilla 's College of Nursing (CON) is dedicated to shaping highly qualified nurses. Our graduates are equipped with the scientific expertise to excel in both public and private healthcare settings. Through our comprehensive curriculum, we prepare them to Work according to standards of high academic quality that prepare academic nurses who are qualified and equipped with information and nursing skills necessary to provide holistic nursing care, community service, and to achieve competitive advantage at national, regional and global levels

Goals:

The College of Nursing (CON) seeks to achieve its vision through the following objectives

- Serve community to provide good quality care to improve and decrease mortality and morbidity rate.
- Introducing new nursing specialties based on the local and regional health needs tor undergraduate and graduate levels within he possibilities available 'in accordance with the accreditation standards for these programs.

- Develop the student's skills of logical and analytical thinking -while providing nursing care for their patients.

  Motivate faculty members to participate in research through the formation of research teams with the participation of students

- Motivate faculty members to participate in local regional and international conferences and conduct research based on the priorities of scientific research in the ministry of Health and international Nursing Council

- Encourage faculty members and students to participate in scientific meetings and student creativity forums in the university campus and beyond

- Identify the health needs of the community by, conducting health surveys.

- Cooperate with the associations and WHO in the provision of care to the local community through health education seminars and free health screening days.

Philosophy

- The College of Nursing (CON) at the University of Al-Hilla prioritizes a learner-centered educational approach, fostering a transformative experience for students. We believe in a collaborative synergy between faculty, students, and the university to create a dynamic learning environment.

- Our Bachelor of Science in Nursing (BSN) program directly reflects this philosophy. Every course and learning activity aligns with the program's mission, goals, values, and the University of Al-Hilla 's broader vision. Students demonstrate their mastery through capstone projects and applied learning experiences throughout the program. These activities are directly assessed within each course and ensure graduates achieve the program's intended outcomes.

- Alignment and congruence are central to our approach. the College of Nursing's mission, vision, core values, and objectives seamlessly align with those of the University of Al-Hilla.

- Core Values of the College of Nursing at the University of Al-Hilla
- The College of Nursing curriculum is guided by the following core values:
- 1. Professional Excellence:
- We believe professional nursing is a culmination of education, research, and leadership. Our graduates are prepared to be vital members of the healthcare team, using critical thinking, the nursing process, and honed clinical skills to empower patients in achieving their health goals.
- 2. Compassionate Care:
- Our curriculum fosters a deep commitment to caring, an ethical and professional cornerstone in nursing. Nurses demonstrate this by acknowledging a client's biopsychosocial and spiritual well-being, prioritizing connection, collaboration, empathy, and respect for human dignity.
- 3. Holistic View of Health:
- Health is understood as a framework for assessing a client's physical, mental, social, and spiritual well-being. We utilize the wellness-illness continuum to determine a person's current state of health, whether perceived or actual.
- 4. Pursuit of Academic Distinction:
- We strive for academic excellence, not just in completing tasks, but in embodying the core competencies of the BSN curriculum. Our educators foster a vibrant learning environment by bringing exceptional energy, a keen interest in student success, and leveraging their own strengths to inspire the next generation of nurses.

Curriculum module

Semester 1: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

: 30 ECTs . ECTs=25 hours2Semester

Code	Module	SSWL	USSWL	ECTS	Type

Semester 3: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

Semester 4: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

Semester 5: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

Semester 6: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

Semester 7: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

Semester 8: 30 ECTs . ECTs=25 hours

Code	Module	SSWL	USSWL	ECTS	Type

الملحق 2: دليل المواد الدراسية

Code	Course L module titile	ECTS	Semester
NUR1101	**Nurse**	**13**	**1**

w)/Class (hr	prac./lab /Lec	sem)/SSWL(hr	sem)/USWL(hr
4	**6**	**150**	**175**
Description			
This module introduces the basic principles of nursing, including professional roles, ethical responsibilities, patient-centered care, and essential nursing skills. Students learn foundational concepts such as hygiene, safety, communication, and vital signs measurement			

Code	Course L module titile	ECTS	Semester
NUR1102	**Nurse**	**5**	**1**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**2**	**75**	**50**
Description			
This course provides the biochemical basis of human life, focusing on the structure and function of biomolecules, metabolism, and enzymatic reactions. It helps nursing students understand how biochemical processes influence health, disease, and clinical treatment.			

Code	Course L module titile	ECTS	Semester
NUR1103	**Nurse**	**6**	**1**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**2**	**75**	**75**
Description			
This module covers the structure and function of the human body with emphasis on major systems such as musculoskeletal, circulatory, and respiratory systems. It provides nurses with the knowledge necessary to assess and support patients' physiological needs			

Code	Course L	ECTS	Semester

	module titile		
NUR1104	**Nurse**	**3**	**1**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**45**
Description			
This course explores ethical principles and professional conduct in nursing. Topics include patient rights, confidentiality, informed consent, and ethical decision-making in healthcare. It prepares students to handle moral challenges in clinical practice responsibly			

Code	**Course L module titile**	**ECTS**	**Semester**
ENG 1105	**Nurse**	**2**	**1**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
This module examines the concepts of democracy, equality, freedom, and human rights. It highlights the importance of respect, dignity, and justice in healthcare, enabling nurses to advocate for patients and promote fairness in diverse clinical settings			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR1218	**Nurse**	**17**	**2**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
4	**12**	**240**	**185**

Description			
Builds on the basic nursing skills learned in Fundamentals (1). Focuses on advanced patient care techniques, clinical decision-making, infection control, and safe medication administration. Students apply theory into more complex nursing procedures			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR1219	**Nurse**	**6**	**2**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**2**	**75**	**75**
Description			
Continuation of Anatomy and Physiology (1), covering additional body systems such as the nervous, endocrine, digestive, and reproductive systems. Emphasis is placed on understanding physiological processes relevant to nursing practice			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR12010	**Nurse**	**3**	**2**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**2**	**75**	**75**
Description			
Introduces the language of medicine, including prefixes, suffixes, and root words used to describe medical conditions, procedures, and anatomy. This course enables students to accurately interpret and use medical terms in clinical documentation.			

Code	Course L module titile	ECTS	Semester
COS12111	**Nurse**	**2**	**2**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
1	**1**	**30**	**20**
Description			
Focuses on the use of information technology in healthcare. Topics include electronic health records, medical databases, nursing informatics, and basic computer applications that support evidence-based practice.			

Code	Course L module titile	ECTS	Semester
ENG1212	**Nurse**	**1**	**2**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
1		**15**	**10**
Description			
Enhances students' proficiency in Arabic with emphasis on academic and professional communication. Supports clear documentation, patient education, and effective interaction in healthcare settings within Arabic-speaking communities.			

Code	Course L module titile	ECTS	Semester
NUR21113	**Nurse**	**19**	**3**

w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
4	**12**	**240**	**235**
Description			
Introduces the principles of caring for adult patients with common health conditions. Focuses on medical-surgical nursing, holistic care, patient safety, and the role of nurses in promoting recovery and wellbeing.			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR21014	**Nurse**	**75**	**3**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**45**
Description			
Covers the basic principles of pharmacology, including drug classifications, mechanisms of action, dosage calculations, and safe medication administration. Emphasis is placed on nursing responsibilities and patient education regarding medications			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR21015	**Nurse**	**4**	**3**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2	**2**	**60**	**40**
Description			
Explores microorganisms relevant to human health and disease, including bacteria, viruses, fungi, and parasites. Focus is on infection control, disease prevention, and the nurse's role in maintaining a safe healthcare environment			

Code	Course L module titile	ECTS	Semester
NUR21016	**Nurse**	**3**	**3**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2	**2**	**60**	**40**
Description			
Teaches systematic approaches to collecting patient data through history-taking, physical examination, and diagnostic tools. Students develop skills to assess normal versus abnormal findings and document patient health status effectively			

Code	Course L module titile	ECTS	Semester
NUR22120	**Nurse**	**19**	**4**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
4	**12**	**240**	**235**
Description			
Continuation of Adult Nursing (1), focusing on more complex health problems in adult patients. Emphasizes critical thinking, clinical decision-making, and nursing interventions for chronic and acute conditions			

Code	Course L module titile	ECTS	Semester
NUR22021	**Nurse**	**3**	**4**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**45**
Description			
Builds on Pharmacology (1), covering advanced drug groups, therapeutic uses, adverse effects, and drug interactions. Focus on safe administration, monitoring, and patient education in clinical practice			

Code	Course L module titile	ECTS	Semester
MBN22122	**Nurse**	**4**	**4**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2	**2**	**60**	**40**
Description			
Continuation of Microbiology (1), with deeper study of pathogenic microorganisms, antimicrobial resistance, host defense mechanisms, and laboratory diagnostic methods relevant to nursing practice.			

Code	Course L module titile	ECTS	Semester
COS22124	**Nurse**	**2**	**4**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
1	**1**	**30**	**20**

Description
Develops advanced skills in healthcare informatics and digital systems. Topics include data management, clinical decision support, use of specialized nursing software, and ethical considerations in health IT

Code	Course L module titile	ECTS	Semester
ARL12025	**Nurse**	**1**	**4**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
1		**15**	**10**
Description			
Provides foundational skills in Arabic language with a focus on grammar, writing, and comprehension. Supports effective communication and professional expression in academic and healthcare contexts			

Code	Course L module titile	ECTS	Semester
NUR31027	**Nurse**	**19**	**5**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**14**	**255**	**220**
Description			
Focuses on nursing care for women during pregnancy, childbirth, and postpartum, as well as care for newborns. Emphasizes safe practices, maternal health promotion, neonatal assessment, and family-centered care.			

Code	Course L module titile	ECTS	Semester
NUR31028	**Nurse**	**3**	**5**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2	**1**	**45**	**30**
Description			
Introduces principles of scientific research, including study design, data collection, analysis, and ethical considerations. Prepares students to critically appraise research and apply evidence-based practice in nursing			

Code	Course L module titile	ECTS	Semester
NUR31029	**Nurse**	**2**	**5**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Examines the relationship between society and health, exploring how cultural, social, and economic factors influence health behaviors, illness, and healthcare delivery. Helps nurses understand patients within their social contexts			

Code	Course L module titile	ECTS	Semester
NUR31030	**Nurse**	**2**	**5**

w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Covers the principles of human nutrition and therapeutic diets in health and disease. Emphasis is placed on dietary assessment, planning, and the nurse's role in promoting healthy nutrition across the lifespan			

Code	**Course L module titile**	**ECTS**	**Semester**
Baath's Crimes in Iraq	**Nurse**	**2**	**5**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Explores historical and political issues related to the crimes committed by the Baath regime in Iraq. Focuses on human rights violations, their impact on society, and the importance of justice, remembrance, and ethical awareness for future generations			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR32031	**Nurse**	**19**	**6**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3		**255**	**220**

	14		
Description			
Focuses on the nursing care of infants, children, and adolescents. Covers growth and development, common childhood illnesses, family-centered care, and health promotion strategies for younger populations			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR32032	**Nurse**	**3**	**6**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3		**45**	**30**
Description			
Explores physical, cognitive, emotional, and social development across the lifespan. Emphasizes the nurse's role in supporting healthy development and recognizing developmental delays			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR32033	**Nurse**	**2**	**6**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Introduces basic statistical concepts and methods used in healthcare research. Students learn to analyze data, interpret results, and apply statistical tools to evidence-based nursing practice			

Code	Course L module titile	ECTS	Semester
PAT32034	**Nurse**	**3**	**6**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3		**45**	**30**
Description			
Examines the physiological changes associated with disease processes. Provides a foundation for understanding signs, symptoms, and complications of common illnesses to guide nursing interventions.			

Code	Course L module titile	ECTS	Semester
NUR32035	**Nurse**	**2**	**6**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Discusses current developments, challenges, and future directions in nursing practice and healthcare. Topics include professionalism, policy, leadership, globalization, and the evolving role of nurses			

Code	Course L module titile	ECTS	Semester
NUR41035	**Nurse**	**17**	**7**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**12**	**225**	**200**
Description			
Focuses on the principles and practices of providing nursing care at the community level. Emphasizes disease prevention, health education, family health, and collaboration with public health services			

Code	Course L module titile	ECTS	Semester
NUR41036	**Nurse**	**4**	**7**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2	**3**	**75**	**25**
Description			
Introduces concepts of leadership, management, and organizational behavior in nursing. Covers delegation, teamwork, conflict resolution, and decision-making skills essential for leading healthcare teams			

Code	Course L module titile	ECTS	Semester
NUR41037	**Nurse**	**2**	**7**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**

Description			
Examines the distribution and determinants of health and diseases in populations. Students learn methods of data collection, analysis, and application of epidemiological principles in nursing and public health practice			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR41038	**Nurse**	**2**	**7**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Explores strategies to improve health and prevent illness across different populations. Emphasis is placed on lifestyle modification, patient education, and community-based health initiatives			

Code	**Course L module titile**	**ECTS**	**Semester**
NUR41039	**Nurse**	**2**	**7**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
1	**1**	**30**	**20**
Description			
Provides students with the opportunity to design and conduct a small-scale research project in nursing or health sciences. Focuses on research methods, data collection, analysis, and reporting to develop evidence-based practice skills			

Code	Course L module titile	ECTS	Semester
NUR42041	**Nurse**	**17**	**8**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
3	**12**	**225**	**200**
Description			
Introduces the concepts of mental health, psychiatric disorders, and therapeutic communication. Emphasis is placed on assessment, nursing interventions, and supporting patients with mental health needs			

Code	Course L module titile	ECTS	Semester
NUR42042	**Nurse**	**7**	**8**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2	**6**	**120**	**55**
Description			
Focuses on the care of critically ill patients in intensive and emergency settings. Covers advanced assessment, use of life-support equipment, monitoring, and evidence-based interventions to stabilize life-threatening conditions			

Code	Course L module titile	ECTS	Semester
NUR4243	**Nurse**	**2**	**8**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Explores the psychological factors influencing health, illness, and patient behavior. Helps nurses understand stress, coping, motivation, and the mind-body connection in order to provide holistic care			

Code	Course L module titile	ECTS	Semester
NUR42044	**Nurse**	**2**	**8**
w)/Class (hr	**prac./lab /Lec**	**sem)/SSWL(hr**	**sem)/USWL(hr**
2		**30**	**20**
Description			
Provides knowledge about cancer biology, prevention, detection, and treatment. Focus on nursing care for patients undergoing chemotherapy, radiotherapy, and palliative care, with attention to symptom management and emotional support			

Code	Course L module titile	ECTS	Semester
NUR42045	**Nurse**	**2**	**8**

w)/Class (hr	prac./lab /Lec	sem)/SSWL(hr	sem)/USWL(hr
1	1	30	20
Description			
Enables students to apply research methods to a selected nursing topic. Students design, implement, and report a study, strengthening skills in evidence-based practice and scientific inquiry			

الملحق 3: دليل وصف المادة الدراسية

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية				
Module Title	**Fundamentals of Nursing(1)**		**Module Delivery**	
Module Type	**C**		☒ **Theory** ☒ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 1101**			
ECTS Credits	**13**			
SWL (hr/sem)	**325**			
Module Level	1		**Semester of Delivery**	1
Administering Department	fund		**College**	COS
Module Leader			**e-mail**	
Module Leader's Acad. Title			**Module Leader's Qualification**	PhD
Module Tutor	Name (if available)		**e-mail**	

Peer Reviewer Name		**e-mail**	
Scientific Committee Approval Date	1/09/2025	**Version Number**	1.0

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	• Introduce students to the fundamental concepts of nursing and the role of the nurse in healthcare. • Develop students' understanding of patient safety and the importance of applying quality standards in nursing care. • Teach students basic patient care skills, including personal hygiene, nutrition, and health monitoring. • Enhance the ability to assess patient health status and collect essential data through medical history and basic physical examination. • Develop communication and interaction skills with patients and their families within a healthcare setting. • Introduce students to basic professional ethics and the legal responsibilities of nurses. • Foster teamwork and collaboration with colleagues and other members of the healthcare team. • Encourage critical thinking and basic decision-making in the care of adult and adolescent patients.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this module, the student will be able to: **Explain the basic principles of nursing** and its role in patient care. **Identify patients' basic needs** and apply appropriate nursing care strategies. **Collect primary health data** through medical history and physical assessment. **Perform basic nursing procedures safely**, such as vital signs measurement, simple medication administration, and wound care. **Assess patient condition** and monitor changes in vital signs and overall status. **Communicate effectively with patients and colleagues** using professional communication skills. **Apply hygiene and safety standards** in the clinical environment for both patients and nurses. **Document nursing care accurately** according to institutional policies and procedures.

	Recognize ethical and professional principles in nursing practice. . **Use critical thinking and clinical decision-making** in daily patient care situations
Indicative Contents المحتويات الإرشادية	Indicative Contents – Fundamentals of Nursing 1 **Introduction to Nursing** Definition and history of nursing. Roles and responsibilities of nurses in the healthcare system. Professional ethics and nursing behavior. **Basic Principles of Patient Care** Holistic patient care. Basic human needs (physiological and psychological). Interaction with patients and families. **Patient Safety and Infection Control** Concepts of infection prevention and control. Use of personal protective equipment (PPE). Sterilization and disinfection procedures. **Health Assessment** Collecting patient history. Basic physical examination: head, neck, respiratory system, cardiovascular, abdomen. Measurement of vital signs: temperature, pulse, blood pressure, respiration. **Hygiene and Personal Care** Skin, hair, and oral care. Assisting patients with bathing and oral hygiene. Managing hygiene for immobile patients. **Nutrition and Fluid Balance** Basic nutritional needs of patients. Methods of feeding and monitoring fluid intake. Recording and maintaining fluid balance. **Patient Mobility and Safety** Techniques for patient transfer and ambulation. Prevention of injuries during movement. Use of assistive devices (walkers, wheelchairs). **Medication Administration Basics** General principles of safe medication administration. Routes of medication administration: oral, injection, topical. Documentation and monitoring of side effects. **Documentation and Reporting** Importance of accurate documentation. Writing nursing records and reports. Handover communication among healthcare team members. . **Clinical Skills and Laboratory Practice** Practical training on basic nursing procedures.

	Simulation exercises for clinical scenarios. Integrating theoretical knowledge into practical skills.

Learning and Teaching Strategies	
Strategies	• **Lectures:** Provide core theoretical knowledge about nursing principles and patient care. • **Interactive Tutorials:** Encourage discussion, problem-solving, and application of concepts. • **Demonstrations & Skills Labs:** Hands-on practice of basic nursing procedures and patient assessment skills. • **Case Studies & Scenarios:** Apply knowledge to realistic patient situations to enhance clinical reasoning. • **Group Activities & Peer Learning:** Promote teamwork, communication, and collaborative learning. • **Self-directed Learning:** Encourage reading, research, and reflection to reinforce understanding

Student Workload (SWL) الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	75	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	50	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	**1**25		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Workload (hr)**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوع النظري	
	Material Covered
Week 1	Introduction to fundamental
Week 2	Nursing Process: Assessment, Diagnosis, Planning, Implementation, Evaluation
Week 3	Communication in Nursing: Therapeutic Communication & Documentation
Week 4	Patient Safety: Principles, Risk Management, and Reporting
Week 5	Infection Control: Standard Precautions, Hand Hygiene, Isolation
Week 6	Vital Signs: Measurement and Interpretation (Temperature, Pulse, Respiration, BP)
Week 7	Midterm Review & Exam
Week 8	Hygiene and Personal Care: Bathing, Oral Care, Skin Care
Week 9	Mobility and Positioning: Body Mechanics, Range of Motion, Transfers
Week 10	1 Nutrition and Hydration:

	0 Assessment, Feeding, Special Diets
Week 11	1 Pain Management: Assessment, Non- 1 pharmacological and Pharmacological Methods
Week 12	1 Medication Administration: 2 Principles, Safety, Routes
Week 13	1 Oxygen Therapy and 3 Respiratory Care
Week 14	1 Fluid and Electrolyte Balance: 4 Assessment and Nursing Interventions
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوع للمختتر	
	Material Covered
Week 1	Lab 1: Introduction for lab
Week 2	Lab 2: safety and positioning
Week 3	Lab 3 :asepsis
Week 4	Lab 4: vital signs (temperature and pulse rate
Week 5	Lab 5: vital signs (respiration and blood pressure
Week 6	Lab 6: medication part I
Week 7	Lab 7:medication part 11

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Anatomy and physiology (1)**			**Module Delivery**	
Module Type	**B**			☒ **Theory** ☒ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 1101**				
ECTS Credits	**6**				
SWL (hr/sem)	**150**				
Module Level		1	**Semester of Delivery**		1
Administering Department		Basic	**College**	COS	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**		PhD
Module Tutor	Name (if available)		**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date		1/09/2025	**Version Number**		1.0

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	Module Objectives: Anatomy and Physiology 1 Introduce students to the structure (anatomy) and function (physiology) of the human body. Enable students to understand the relationship between organ structure and physiological function. Explain the basic body systems: skeletal, muscular, nervous, and circulatory systems. Develop the ability to link theoretical knowledge to basic clinical nursing skills. Enhance understanding of normal physiological processes and their impact on overall health. Teach students basic observation and examination techniques for assessing the human body.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this module, the nursing student will be able to: **Identify** the major organs and systems of the human body and describe their anatomical locations. **Explain** the basic structure and function of cells, tissues, and organs. **Describe** the organization and functional roles of the skeletal system and muscular system. **Understand** the structure and function of the cardiovascular system, including the heart and blood vessels. **Discuss** the basic principles of the respiratory system and gas exchange mechanisms. **Explain** the structure and functions of the nervous system and its role in body coordination. **Demonstrate** knowledge of the integumentary system, including skin structure, function, and protection. **Correlate** anatomical structures with physiological functions in maintaining homeostasis. **Apply** basic anatomical and physiological knowledge to clinical nursing scenarios. . **Develop** critical thinking skills to analyze the interrelationships between different body systems.

Indicative Contents المحتويات الإرشادية	Indicative Contents – Fundamentals of Nursing 1 Module Topics **Introduction to Anatomy and Physiology** Definition, scope, and importance in nursing practice Anatomical terminology: planes, positions, regions, and cavities Levels of organization: chemical, cellular, tissue, organ, and system **Cell Structure and Function** Cell theory Structure and function of cell organelles Cell membrane, transport mechanisms, and communication Cell division: mitosis and meiosis **Tissues of the Human Body** Classification of tissues: epithelial, connective, muscle, and nervous tissues Structure, function, and location of each tissue type Tissue repair and regeneration **Integumentary System** Structure and functions of skin Skin appendages: hair, nails, and glands Roles in protection, temperature regulation, and sensory reception **Skeletal System** Bone classification and structure Bone growth and development Axial and appendicular skeleton Joints: types, structure, and functions Bone disorders relevant to nursing **Muscular System** Muscle types: skeletal, cardiac, and smooth Structure of muscle tissue Mechanism of contraction (sliding filament theory) Major muscle groups and their functions **Nervous System (Introduction)** Organization of the nervous system: CNS and PNS Neuron structure and function Nerve impulse transmission Introduction to reflexes and basic sensory-motor integration **Cardiovascular System (Introduction)** Structure and functions of the heart Blood vessels: arteries, veins, and capillaries Blood composition and functions Basic concepts of circulation: systemic and pulmonary **Respiratory System (Introduction)** Anatomy of upper and lower respiratory tract Mechanism of breathing Gas exchange at alveolar and tissue levels

	. **Fluid, Electrolyte, and Acid-Base Balance (Basic Concepts)** Body fluids and compartments Electrolytes and their physiological roles Homeostasis and basic regulatory mechanisms

Learning and Teaching Strategies	
Strategies	Learning and Teaching Strategies – Anatomy and Physiology 1 **Lectures & Interactive Discussions:** Deliver core concepts of anatomy and physiology with opportunities for questions and class discussions to enhance understanding. **Visual Aids & Models:** Use anatomical models, diagrams, and videos to help students visualize complex structures and physiological processes. **Laboratory Sessions:** Provide hands-on experience with dissections, simulations, and experiments to reinforce theoretical knowledge. **Problem-Based Learning (PBL):** Engage students in case studies or clinical scenarios to apply concepts to real-life nursing practice. **Group Work & Peer Learning:** Encourage collaborative learning through group activities and peer teaching. **Continuous Assessment & Feedback:** Use quizzes, short assignments, and lab reports to monitor progress and give timely feedback.

Student Workload (SWL) الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	75	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3

Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	50	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	**125**		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Workload (hr)
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوع النظري	
	Material Covered
Week 1	Week 1: Introduction to anatomy & physiology, levels of organization, anatomical terms, homeostasis
Week 2	Week 2: Cells – structure, membrane transport, cell cycle
Week 3	Week 3: Tissues – epithelial, connective, muscle, nervous
Week 4	Week 4: Integumentary system – structure, functions, clinical relevance
Week 5	Week 5: Skeletal system I – bone structure, growth, joints
Week 6	Week 6: Skeletal system II – axial & appendicular skeleton, clinical relevance
Week 7	Week 7: Muscular system I – muscle tissue types, skeletal muscle structure, contraction theory
Week 8	Week 8: Muscular system II – major muscle groups, physiology of contraction, clinical correlation
Week 9	Week 9: Nervous system I – organization, neuron, nerve impulse, synapse
Week 10	Week 10: Nervous system II – brain, spinal cord, reflex arc, clinical cases
Week 11	Week 11: Nervous system III – autonomic nervous system, sensory organs overview
Week 12	Week 12: Endocrine system I – major glands, hormones, mechanisms
Week 13	Week 13: Endocrine system II – homeostasis, disorders (diabetes, thyroid)
Week 14	Week 14: System integration I – integumentary, skeletal, muscular systems (nursing cases)
Week 15	Week 15: System integration II – nervous and endocrine systems (stress, pain, nursing care)
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوع للمختبر	
	Material Covered
Week 1	Week 1: Orientation, lab safety, anatomical terms, body planes, directional terms
Week 2	Week 2: Microscopy, cell structure, mitosis
Week 3	Week 3: Tissues – epithelial, connective, muscular, nervous (histology)
Week 4	Week 4: Integumentary system – skin, hair, nails, glands
Week 5	Week 5: Skeletal system I – classification of bones, major bones identification
Week 6	Week 6: Skeletal system II – joints, articulations, types of movements

Week 7	Week 7: Muscular system I – identification of major muscles

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Anatomy and physiology (1)**			**Module Delivery**	
Module Type	**B**			☒ **Theory** ☒ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 1219**				
ECTS Credits	**6**				
SWL (hr/sem)	**150**				
Module Level	2		**Semester of Delivery**	1	
Administering Department	Basic		**College**	COS	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**	PhD	
Module Tutor	Name (if available)		**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date	1/09/2025		**Version Number**	1.0	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	By the end of this module, students will be able to: Explain the structure and function of major organ systems including the **cardiovascular, respiratory, digestive, urinary, endocrine, and reproductive systems**. Understand the physiological mechanisms that maintain **homeostasis** in the human body. Analyze the **interrelationships between organ systems** in health and disease. Apply knowledge of anatomy and physiology to **clinical scenarios and patient care**. Demonstrate the ability to **interpret physiological data** such as vital signs, laboratory findings, and imaging results. Develop critical thinking skills by **linking theoretical knowledge with practical applications** in nursing. Recognize the impact of **age, gender, and lifestyle** on the structure and function of organ systems.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this course, the student will be able to: Describe the anatomical structure and physiological functions of the **cardiovascular system**, including the heart, blood vessels, and blood circulation. Explain the structure and function of the **respiratory system** and its role in gas exchange and acid-base balance. Illustrate the **urinary system** anatomy and explain renal physiology, including filtration, reabsorption, and excretion. Discuss the **digestive system** structure and physiology, including nutrient digestion, absorption, and metabolism. Explain the **endocrine system** anatomy and hormonal regulation of body functions. Describe the **reproductive system** structure, physiology, and the menstrual and reproductive cycles. Analyze the **integration of multiple body systems** in maintaining homeostasis. Apply anatomical and physiological knowledge to clinical situations relevant to nursing care. Interpret basic physiological data from laboratory measurements (e.g., blood pressure, heart rate, respiratory rate, renal function). . Demonstrate awareness of variations in normal anatomy and physiology across age, sex, and health status.

	. Communicate anatomical and physiological concepts effectively in written and verbal formats relevant to nursing practice.
Indicative Contents المحتويات الإرشادية	Indicative Contents – Anatomy and Physiology 2 (College of Nursing) **Cardiovascular System** Structure and function of the heart Cardiac cycle and heart sounds Blood vessels: arteries, veins, capillaries Hemodynamics and blood pressure regulation Circulatory pathways (systemic, pulmonary, coronary, fetal circulation) **Respiratory System** Anatomy of the respiratory tract Mechanics of breathing (inspiration, expiration) Gas exchange and transport Regulation of respiration Common respiratory disorders **Digestive System** Anatomy of the gastrointestinal tract Structure and function of accessory organs (liver, pancreas, gallbladder) Digestive processes: ingestion, digestion, absorption, elimination Nutrient metabolism and energy balance **Urinary System** Structure and function of kidneys, ureters, bladder, urethra Nephron structure and urine formation Fluid and electrolyte balance Acid-base homeostasis Regulation of blood pressure by the kidneys **Reproductive System** Male reproductive system: anatomy, spermatogenesis, hormonal regulation Female reproductive system: anatomy, oogenesis, menstrual cycle Fertilization, pregnancy, and lactation Hormonal control of reproduction **Endocrine System** Structure and function of major endocrine glands Hormones and their mechanisms of action Role in metabolism, growth, stress, and reproduction Feedback mechanisms **Integration and Homeostasis** Interaction between cardiovascular, respiratory, urinary, endocrine, and reproductive systems Homeostatic regulation and physiological responses Nursing relevance and clinical applications

Learning and Teaching Strategies	
Strategies	Learning and Teaching Strategies – Anatomy and Physiology 2 **Interactive Lectures:** Use diagrams, videos, and 3D models to explain complex body systems. **Small Group Discussions:** Encourage critical thinking and peer learning through case studies and clinical scenarios. **Practical Laboratory Sessions:** Hands-on experiments and dissections to reinforce theoretical knowledge. **Problem-Based Learning (PBL):** Analyze real-life clinical problems to link anatomy and physiology to nursing practice. **Formative Assessments:** Quizzes, short assignments, and mini-reports to monitor understanding continuously. **Self-Directed Learning:** Encourage reading, online simulations, and practice exercises outside class hours.

Student Workload (SWL) الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	75	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	75	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	**150**		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Workload (hr)**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوع النظري	
	Material Covered
Week 1	Week 1: Introduction & review of Anatomy & Physiology I concepts; overview of course & assessment.
Week 2	Week 2: Cardiovascular system I – Anatomy of the heart, circulation pathways. Lab: Heart anatomy.
Week 3	Week 3: Cardiovascular system II – Cardiac cycle, conduction system, ECG, cardiac output. Lab: Blood pressure & pulse.
Week 4	Week 4: Blood & lymphatic system – Blood components, hematopoiesis, immunity basics. Lab: Blood typing, blood cell identification.
Week 5	Week 5: Respiratory system I – Anatomy of respiratory tract, mechanics of breathing. Lab: Respiratory volumes & capacities.
Week 6	Week 6: Respiratory system II – Gas exchange, transport of gases, regulation of breathing. Lab: Clinical scenarios (hypoxia, COPD, asthma).
Week 7	Week 7: Digestive system I – Anatomy of GI tract, accessory organs. Lab: Digestive system models, histology.
Week 8	Week 8: Digestive system II – Physiology of digestion & absorption. Lab: Enzyme activity experiments. Midterm exam.
Week 9	Week 9: Urinary system I – Anatomy of kidneys, ureters, bladder. Lab: Kidney dissection/model study.
Week 10	Week 10: Urinary system II – Physiology of urine formation, regulation of fluid balance. Lab: Urinalysis (normal vs abnormal).
Week 11	Week 11: Endocrine system I – Anatomy of endocrine glands, hormones. Lab: Endocrine histology (thyroid, pancreas, adrenal).
Week 12	Week 12: Endocrine system II – Hormonal regulation, feedback mechanisms, clinical conditions. Lab: Case studies (diabetes, thyroid disorders).
Week 13	Week 13: Reproductive system I – Anatomy of male & female reproductive systems. Lab: Reproductive anatomy models/histology.
Week 14	Week 14: Reproductive system II – Physiology of reproduction, menstrual cycle, pregnancy & lactation. Lab: Case discussions (fertility, contraception, reproductive health).
Week 15	Week 15: Integration & homeostasis – Fluid, electrolyte, acid-base balance. Lab: Clinical case-based review. Final exam.
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوع للمختبر	
	Material Covered
Week 1	Week 1: Orientation, lab safety, review of A&P I
Week 2	Week 2: Cardiovascular system – anatomy of heart

Week 3	Week 3: Cardiovascular system – blood vessels (arteries, veins, capillaries)
Week 4	Week 4: Cardiovascular system – blood pressure, pulse examination
Week 5	Week 5: Respiratory system – anatomy of lungs and airways
Week 6	Week 6: Respiratory system – pulmonary function tests (spirometry)
Week 7	Week 7: Digestive system – anatomy of alimentary canal and accessory organs

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Fundamentals of Nursing(2)**			**Module Delivery**	
Module Type	**C**			☒ **Theory** ☒ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 1219**				
ECTS Credits	**17**				
SWL (hr/sem)	**425**				
Module Level		2	**Semester of Delivery**		1
Administering Department		Fun	**College**	COS	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**		PhD
Module Tutor	Name (if available)		**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date		1/09/2025	**Version Number**		1.0

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	• Introduce students to the fundamental concepts of nursing and the role of the nurse in healthcare. • Develop students' understanding of patient safety and the importance of applying quality standards in nursing care. • Teach students basic patient care skills, including personal hygiene, nutrition, and health monitoring. • Enhance the ability to assess patient health status and collect essential data through medical history and basic physical examination. • Develop communication and interaction skills with patients and their families within a healthcare setting. • Introduce students to basic professional ethics and the legal responsibilities of nurses. • Foster teamwork and collaboration with colleagues and other members of the healthcare team. • Encourage critical thinking and basic decision-making in the care of adult and adolescent patients.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this module, the student will be able to: . **Explain the basic principles of nursing** and its role in patient care. . **Identify patients' basic needs** and apply appropriate nursing care strategies. . **Collect primary health data** through medical history and physical assessment. . **Perform basic nursing procedures safely**, such as vital signs measurement, simple medication administration, and wound care. . **Assess patient condition** and monitor changes in vital signs and overall status. . **Communicate effectively with patients and colleagues** using professional communication skills. . **Apply hygiene and safety standards** in the clinical environment for both patients and nurses. . **Document nursing care accurately** according to institutional policies and procedures.

	. **Recognize ethical and professional principles** in nursing practice. . **Use critical thinking and clinical decision-making** in daily patient care situations
Indicative Contents المحتويات الإرشادية	Indicative Contents – Fundamentals of Nursing 1 . **Introduction to Nursing** Definition and history of nursing. Roles and responsibilities of nurses in the healthcare system. Professional ethics and nursing behavior. . **Basic Principles of Patient Care** Holistic patient care. Basic human needs (physiological and psychological). Interaction with patients and families. . **Patient Safety and Infection Control** Concepts of infection prevention and control. Use of personal protective equipment (PPE). Sterilization and disinfection procedures. . **Health Assessment** Collecting patient history. Basic physical examination: head, neck, respiratory system, cardiovascular, abdomen. Measurement of vital signs: temperature, pulse, blood pressure, respiration. . **Hygiene and Personal Care** Skin, hair, and oral care. Assisting patients with bathing and oral hygiene. Managing hygiene for immobile patients. . **Nutrition and Fluid Balance** Basic nutritional needs of patients. Methods of feeding and monitoring fluid intake. Recording and maintaining fluid balance. . **Patient Mobility and Safety** Techniques for patient transfer and ambulation. Prevention of injuries during movement. Use of assistive devices (walkers, wheelchairs). . **Medication Administration Basics** General principles of safe medication administration. Routes of medication administration: oral, injection, topical. Documentation and monitoring of side effects. . **Documentation and Reporting** Importance of accurate documentation. Writing nursing records and reports. Handover communication among healthcare team members. . **Clinical Skills and Laboratory Practice** Practical training on basic nursing procedures.

	Simulation exercises for clinical scenarios. Integrating theoretical knowledge into practical skills.

Learning and Teaching Strategies	
Strategies	• **Lectures:** Provide core theoretical knowledge about nursing principles and patient care. • **Interactive Tutorials:** Encourage discussion, problem-solving, and application of concepts. • **Demonstrations & Skills Labs:** Hands-on practice of basic nursing procedures and patient assessment skills. • **Case Studies & Scenarios:** Apply knowledge to realistic patient situations to enhance clinical reasoning. • **Group Activities & Peer Learning:** Promote teamwork, communication, and collaborative learning. • **Self-directed Learning:** Encourage reading, research, and reflection to reinforce understanding

Student Workload (SWL) الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	240	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	185	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	**4**25		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Workload (hr)**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوع النظري	
	Material Covered
Week 1	Introduction to course content :
Week 2	Introduction to nursing process
Week 3	Steps of nursing process
Week 4	Assessment, diagnosis, planning ,intervention and evaluation
Week 5	Basic Concepts Related to nursing process
Week 6	Critical thinking
Week 7	Fluid, Electrolytes Acid-Base disorders.
Week 8	Hyperkalemia and hypokalemia
Week 9	Hypercalcemia and hypocalcemia Hypernatremia and hyponatremia
Week 10	Perioperative Nursing
Week 11	Skin Integrity and Wound Management
Week 12	Diagnostic Test and Lab. Investigations
Week 13	Nutrition
Week 14	Elimination
Week 15	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوع للمختتر	
	Material Covered
Week 1	Lab 1: nursing process
Week 2	Lab 2: peri-operative
Week 3	Lab 3 :wound care
Week 4	Lab 4: fluid and drug calculation
Week 5	Lab 5: Neasogastric tube
Week 6	Lab 6: foly catheter
Week 7	Lab 7: bed making

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Terminology**			**Module Delivery**	
Module Type	**C**			☒ **Theory** ☒ **Lecture** **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 12010**				
ECTS Credits	**3**				
SWL (hr/sem)	**75**				
Module Level		1	**Semester of Delivery**		1
Administering Department		Fun	**College**	COS	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**		PhD
Module Tutor	Name (if available)		**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date		1/09/2025	**Version Number**		1.0

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	Module Objectives – Terminology in English Language Introduce students to the basic medical and nursing terminology used in clinical practice. Develop students' ability to understand and accurately use English nursing terms in documentation and communication. Enable students to recognize common prefixes, suffixes, and root words in medical terminology. Enhance students' skills in interpreting medical records, prescriptions, and healthcare instructions in English. Improve students' professional communication with patients, colleagues, and healthcare teams using correct terminology. Promote critical thinking in applying medical terminology appropriately in clinical scenarios.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this module, the student will be able to: **Define and explain basic medical and nursing terminology** accurately in English. **Interpret medical abbreviations and symbols** commonly used in clinical practice. **Analyze medical terms by identifying prefixes, suffixes, and root words** to understand their meaning. **Apply correct terminology in oral and written communication** with patients and healthcare professionals. **Translate medical terminology from English to Arabic** and vice versa, maintaining clinical accuracy. **Use medical terminology appropriately in documentation and patient records**. **Recognize terminology related to body systems, diseases, diagnostic tests, and treatments**. **Demonstrate critical thinking in interpreting complex clinical terms** in real-life nursing scenarios.

Indicative Contents المحتويات الإرشادية	Indicative Contents – Terminology (English) / المحتويات الإرشادية – المصطلحات الطبية باللغة الإنجليزية **Introduction to Medical Terminology / مقدمة في المصطلحات الطبية** Importance and purpose in nursing practice. Structure of medical terms: roots, prefixes, suffixes. Rules for combining word parts. **Body Organization and Terminology / تنظيم الجسم والمصطلحات** Anatomical positions and planes. Body systems overview: cardiovascular, respiratory, digestive, nervous, musculoskeletal, endocrine, urinary, reproductive. Common medical abbreviations for body systems. **Medical Prefixes and Suffixes / البادئات واللواحق الطبية** Common prefixes: hypo-, hyper-, intra-, peri-, poly-. Common suffixes: -itis, -ectomy, -ology, -pathy, -graphy. Formation of medical terms using prefixes and suffixes. **Pathology Terminology / مصطلحات الأمراض والاعتلالات** Terminology related to disease processes: infection, inflammation, degeneration, neoplasia. Terms for signs and symptoms: edema, cyanosis, tachycardia, dyspnea. **Diagnostic and Procedural Terminology / مصطلحات التشخيص والإجراءات** Diagnostic tests and procedures: MRI, CT scan, X-ray, blood tests. Nursing procedures terminology: catheterization, injection, wound care, vital signs monitoring. **Pharmacology Terminology / مصطلحات الأدوية** Names of drug classes and generic vs. brand names. Common abbreviations and dosage forms. Routes of drug administration. **Clinical Documentation and Communication / التوثيق السريري والتواصل** Reading and interpreting medical charts. Writing nursing notes using correct terminology. Communicating effectively with health care team using medical terms. **Case Studies and Practical Exercises / دراسات حالة وتمارين عملية** Practice decoding and constructing medical terms. Exercises in chart reading, patient documentation, and reporting. Application of terminology in clinical scenarios. **Review and Assessment / المراجعة والتقييم** Terminology quizzes and assignments. Lab or practical sessions focusing on applied terminology.
Learning and Teaching Strategies	

Strategies	Learning and Teaching Strategies **Interactive Lectures:** Introduce nursing terminology in context, emphasizing pronunciation, spelling, and meaning. **Group Activities:** Students practice terms through discussions, case scenarios, and role-playing. **Flashcards and Quizzes:** Reinforce memory of key terms and abbreviations. **Practical Exercises:** Apply terminology in clinical documentation, patient assessment, and charting. **Multimedia Resources:** Use videos, diagrams, and e-learning tools to illustrate terminology usage. **Peer Learning:** Encourage students to teach and correct each other, enhancing retention.

Student Workload (SWL)

الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	30	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	45	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	**75**		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Workload (hr)
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.				
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative	**Midterm Exam**	2hr	20% (20)	7	LO #1 - #7

assessment	**Final Exam**	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوع النظري	
	Material Covered
Week 1	Introduction – Basic Elements of a Medical Word
Week 2	Suffixes: Surgical, Diagnostic, Pathological, Grammatical and Plural
Week 3	Prefixes
Week 4	Body Structure
Week 5	Integumentary System
Week 6	Gastrointestinal (Digestive) System
Week 7	Respiratory System
Week 8	Cardiovascular System
Week 9	Blood and Lymphatic System
Week 10	Musculoskeletal System
Week 11	Urinary System
Week 12	Female Reproductive System
Week 13	Male Reproductive System
Week 14	Endocrine System
Week 15	**Preparatory week before the final Exam**

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Code of Ethics**			**Module Delivery**	
Module Type	**S**			☒ **Theory** ☒ **Lecture** **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 1104**				
ECTS Credits	**3**				
SWL (hr/sem)	**75**				
Module Level	2		**Semester of Delivery**	1	
Administering Department	fun		**College**	COS	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**	PhD	
Module Tutor	Name (if available)		**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date	1/09/2025		**Version Number**	1.0	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	• By the end of this module, students will be able to: **Understand the principles of nursing ethics** and the professional responsibilities of nurses. **Explain the historical development and significance** of codes of ethics in nursing practice. **Identify ethical dilemmas and conflicts** that may arise in clinical settings. **Apply ethical decision-making frameworks** to nursing practice. **Demonstrate professional conduct and accountability** according to established ethical standards. **Promote patient rights, confidentiality, and advocacy** in healthcare settings. **Critically evaluate real-life case studies** to reinforce ethical reasoning and judgment.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this module, students will be able to: **Explain the fundamental principles of nursing ethics** including autonomy, beneficence, non-maleficence, justice, and confidentiality. **Describe the historical development and importance of nursing codes of ethics** at national and international levels. **Apply ethical frameworks and theories** to analyze and resolve clinical ethical dilemmas. **Recognize professional responsibilities and obligations** of nurses in promoting patient rights and ethical care. **Evaluate real-life clinical scenarios** to identify ethical issues and propose appropriate courses of action. **Demonstrate effective communication skills** in advocating for ethical decisions in patient care. **Reflect on personal and professional values** and their impact on ethical decision-making. **Integrate ethical principles into nursing practice** while maintaining cultural sensitivity and professional standards. **Assess organizational policies and legal requirements** relevant to ethical nursing practice. . **Promote ethical awareness** among peers and participate in discussions on contemporary ethical challenges in healthcare.

Indicative Contents المحتويات الإرشادية	Indicative Contents – Fundamentals of Nursing 1 Indicative Contents – Code of Ethics for Nurses **Introduction to Nursing Ethics** Definition and importance of ethics in nursing Historical development of nursing ethics Professionalism and moral responsibilities **Ethical Theories and Principles** Overview of major ethical theories (deontology, utilitarianism, virtue ethics) Core principles: autonomy, beneficence, non-maleficence, justice Application of ethical principles in nursing practice **Nursing Professional Codes** International Council of Nurses (ICN) Code of Ethics National codes of nursing ethics Comparison between different ethical frameworks **Patient Rights and Advocacy** Respect for patient autonomy and dignity Confidentiality and privacy in nursing care Informed consent and shared decision-making Advocacy for vulnerable populations **Ethical Issues in Nursing Practice** End-of-life care and palliative ethics Allocation of scarce resources Handling conflicts of interest Cultural and religious considerations in ethical care **Ethical Decision-Making Models** Steps in ethical decision-making Case studies and clinical scenarios Resolving ethical dilemmas in practice **Professional Accountability and Responsibility** Legal aspects of nursing ethics Maintaining professional integrity Reporting unethical behavior **Ethical Leadership and Communication** Role of ethics in leadership and teamwork Effective communication with patients, families, and colleagues Promoting ethical culture in clinical settings **Emerging Ethical Challenges in Nursing** Advances in technology and biomedical ethics Ethical implications of telehealth and electronic health records Research ethics and evidence-based practice . **Review and Case Analysis** Group discussions of real-life ethical dilemmas Reflection exercises to reinforce ethical reasoning

	Evaluation of professional practice against ethical standards

Learning and Teaching Strategies	
Strategies	**Learning and Teaching Strategies** The main strategies for delivering the Code of Ethics module focus on **active student engagement and practical application**. Students will participate in **interactive lectures, case study discussions, group debates, and scenario-based exercises** to understand ethical principles in nursing practice. Reflection activities and role-playing will be used to enhance **critical thinking, ethical reasoning, and professional decision-making skills** in real clinical settings

Student Workload (SWL) الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	30	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	45	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	75		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Workload (hr)
Formative assessment	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.				
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	2hr	20% (20)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوع النظري

	Material Covered
Week 1	Unit 1: Historical and Contemporary Nursing Practice (4) hrs. Historical perspective. Contemporary nursing practice. Role and function of the nurse Socialization to nursing.
Week 2	Unit 2: The Development of Nursing Profession (4) hrs. Nursing definition Distinguishing nursing from medicine profession Criteria of profession Defining a language for nursing
Week 3	Unit 3: Nursing Education and Research (2) hrs. Nursing educational program.

Week 4	Unit 4: Legal Aspects of Nursing (4) hrs. General legal concepts of nursing. Regulation of nursing practice. Contractual arrangement s in nursing. Selected legal aspects of nursing practices
Week 5	Unit 5: Nursing Values, Ethics, and Advocacy (4) hrs. Values Morality and ethics. Nursing ethics.
Week 6	Unit 7: Health Care Delivery System (4) hrs. Types of health care services.
Week 7	Types of education programs. Nursing research.
Week 8	Areas of potential liability in nursing. Legal protection in nursing practice.
Week 9	Factors influencing contemporary nursing practice Nursing organization Nursing history in Iraq
Week 10	Specific ethical issues Advocacy
Week 11	Reporting crimes, torts, and unsafe practices. Legal responsibilities of nursing students
Week 12	Types of international health care agencies and services. Providers of health care
Week 13	Factors affecting health care delivery.
Week 14	Frameworks for care. Financing heath care
Week 15	**Preparatory week before the final Exam**

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Biochemistry**			**Module Delivery**	
Module Type	**C**			☒ **Theory** ☒ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**NUR 1102**				
ECTS Credits	**5**				
SWL (hr/sem)	**125**				
Module Level	1		**Semester of Delivery**	1	
Administering Department	Basic		**College**	COS	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**	PhD	
Module Tutor	Name (if available)		**e-mail**		
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date	1/09/2025		**Version Number**	1.0	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives أهداف المادة الدراسية	By the end of this module, students will be able to: **Understand the fundamental concepts of biochemistry** relevant to human physiology and nursing practice. **Describe the structure, properties, and functions of biomolecules** including carbohydrates, proteins, lipids, and nucleic acids. **Explain enzymatic activity and metabolic pathways** and their significance in maintaining homeostasis. **Demonstrate knowledge of biochemical processes** that are critical for patient care, such as energy production, digestion, and molecular signaling. **Relate biochemical principles to clinical scenarios** and common diseases encountered in nursing practice. **Develop basic laboratory skills** in performing simple biochemistry experiments and accurately interpreting results. **Apply safety measures and professional standards** when conducting laboratory work. **Enhance critical thinking and problem-solving skills** through analysis of biochemical data and case studies
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	By the end of this module, the nursing student will be able to: **Explain** the basic principles and concepts of biochemistry relevant to human physiology. **Identify** the structure and function of major biomolecules including carbohydrates, proteins, lipids, and nucleic acids. **Describe** the role of enzymes in catalyzing biochemical reactions and their clinical significance. **Analyze** key metabolic pathways (e.g., glycolysis, Krebs cycle, oxidative phosphorylation) and relate them to health and disease. **Apply** laboratory techniques to detect and quantify biochemical substances in biological samples safely and accurately. **Interpret** biochemical test results and relate them to patient care and clinical scenarios. **Demonstrate** safe handling of chemicals and biological specimens in the laboratory. **Correlate** biochemical processes with common pathological conditions encountered in nursing practice. **Communicate** biochemical concepts effectively in written reports and oral presentations. . **Integrate** critical thinking to solve problems related to biochemical

	alterations in patients
Indicative Contents المحتويات الإرشادية	Indicative Contents – Biochemistry (for Nursing Students) **Introduction to Biochemistry** Definition, scope, and importance of biochemistry in nursing. Chemical basis of life: atoms, ions, molecules, and water. pH, buffers, and their clinical significance. **Carbohydrates** Monosaccharides, disaccharides, and polysaccharides. Glycogen and energy storage. Clinical relevance: blood glucose, diabetes, hypoglycemia, hyperglycemia. **Proteins and Amino Acids** Amino acids: structure, classification, essential vs. non-essential. Protein structure: primary, secondary, tertiary, quaternary. Enzymes: characteristics, mechanism of action, kinetics, inhibitors. Clinical relevance: enzyme tests, protein deficiency, wound healing. **Lipids and Lipoproteins** Classification of lipids: triglycerides, phospholipids, steroids. Lipid metabolism: β-oxidation, ketone bodies. Lipoproteins: structure and clinical importance. Clinical relevance: hyperlipidemia, atherosclerosis, cardiovascular risk. **Nucleic Acids and Genetic Material** DNA and RNA: structure and function. Replication, transcription, translation. Clinical relevance: genetic diseases, molecular diagnostics. **Enzymes and Coenzymes** Cofactors and coenzymes: types and functions. Clinical enzyme assays in nursing practice. **Metabolism Overview** Carbohydrate metabolism: glycolysis, gluconeogenesis, pentose phosphate pathway. Citric acid cycle (Krebs cycle) and oxidative phosphorylation. Lipid metabolism: synthesis and degradation. Integration of metabolism in health and disease. **Clinical Biochemistry Applications** Biochemical markers for liver, kidney, and cardiac functions. Blood tests: glucose, cholesterol, urea, creatinine, enzymes. Acid-base balance and electrolyte disturbances. **Laboratory Techniques in Biochemistry** Basic laboratory skills: pipetting, solution preparation, safety. Qualitative and quantitative biochemical tests. Interpretation of lab results in clinical nursing practice. . **Case Studies and Problem Solving**

	Applying biochemical knowledge to patient care scenarios. Interpretation of lab results and their clinical implications.

Learning and Teaching Strategies	
Strategies	Teaching and Learning Strategies – Biochemistry (College of Nursing) **Interactive Lectures:** Encourage student participation through questions, discussions, and real-life clinical examples. **Laboratory Experiments:** Provide hands-on experience with simple biochemical experiments to reinforce theoretical concepts. **Case-Based Learning:** Integrate clinical case scenarios to relate biochemical principles to patient care. **Group Work & Presentations:** Promote teamwork and communication skills through small group tasks and presentations. **Self-Directed Learning:** Assign readings, quizzes, and mini-projects to develop critical thinking and independent learning. **Use of Visual Aids:** Diagrams, flowcharts, and models to illustrate complex biochemical pathways. **Formative Assessment:** Frequent quizzes and lab exercises to monitor progress and provide feedback.

Student Workload (SWL) الحمل الدراس للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراس المنتظم للطالب خلال الفصل	75	**Structured SWL (h/w)** الحمل الدراس المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراس غت المنتظم للطالب خلال الفصل	50	**Unstructured SWL (h/w)** الحمل الدراس غت المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراس الكل للطالب خلال الفصل	**125**		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Workload (hr)**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوع النظري	
	Material Covered
Week 1	Week 1: Introduction to Biochemistry, scope, importance in nursing, chemical basis of life
Week 2	Week 2: Water, pH, buffers, physiological importance
Week 3	Week 3: Carbohydrates I: monosaccharides, disaccharides, polysaccharides
Week 4	Week 4: Carbohydrates II: glycogen metabolism, clinical relevance (diabetes, hypoglycemia)
Week 5	Week 5: Proteins I: amino acids, classification, peptide bonds, protein structure
Week 6	Week 6: Proteins II: protein synthesis overview, enzymes, classification, coenzymes
Week 7	Week 7: Lipids I: fatty acids, triglycerides, phospholipids, steroids, functions
Week 8	Week 8: Lipids II: lipid metabolism, β-oxidation, ketone bodies, clinical relevance
Week 9	Week 9: Nucleic acids: DNA, RNA, nucleotides, replication, transcription, translation overview

Week 10	Week 10: Enzymes and coenzymes: kinetics, factors affecting activity, clinical importance
Week 11	Week 11: Metabolism I: carbohydrate metabolism, glycolysis, gluconeogenesis, pentose phosphate pathway
Week 12	Week 12: Metabolism II: lipid metabolism, fatty acid synthesis and breakdown, cholesterol metabolism
Week 13	Week 13: Metabolism III: protein and amino acid metabolism, deamination, urea cycle, clinical correlation
Week 14	Week 14: Vitamins and minerals: fat-soluble, water-soluble, major minerals, trace elements, deficiencies
Week 15	Week 15: Integration of metabolism: interconnection of carbohydrate, lipid, protein metabolism, ATP, clinical correlation
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوع للمختبر	
	Material Covered
Week 1	Week 1: Introduction to Biochemistry lab, lab safety, handling equipment, preparation of reagents
Week 2	Week 2: Water, buffers, pH measurement, preparation of standard buffers, pH meter use
Week 3	Week 3: Qualitative tests for carbohydrates (monosaccharides, disaccharides) – Benedict's, Barfoed's, Molisch's tests
Week 4	Week 4: Qualitative tests for polysaccharides – Iodine test, Anthrone test
Week 5	Week 5: Qualitative tests for proteins – Biuret test, Xanthoproteic test, Millon's test
Week 6	Week 6: Quantitative estimation of proteins – Lowry method, Bradford assay
Week 7	Week 7: Amino acids – Ninhydrin test, Paper chromatography of amino acids