Module Report

Academic Year: 2025/2026 Semester: S1

1. Basic Information

Module Title (according to the bylaw):	**Principles of medicine study & medical terminology**
Module Code (according to the bylaw):	**MED-102**
Department/s that participated in the teaching:	**Histology, Anatomy, Physiology & Biochemistry**
Total number of credit points of the course:	**2**
Module Type:	**Compulsory**
The level to which the course was introduced:	**S1**
Academic Program:	**Bachelor of Medicine and Surgery (MBBCH)**
Faculty/Institute:	**Faculty of Medicine**
University/Academy:	**Zagazig University**
Name of Module Coordinator:	**Asmaa Mahde Kamel**
Date of approval of the course report	17/3/2026

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		Number of Teaching Assistants	
Full-time (at least 4 working days)	Part-time (1 or 2 days)	Full-time (at least 4 working days)	Part-time (1 or 2 days)
	-		-

Instructor Name	Department	Academic degree	Specialty
1. مني طارق محمد	فسيولوجي	مدرس	الفسيولوجيه الطبيه
2. شيماء يحيي حسن	فسيولوجي	مدرس	الفسيولوجيه الطبيه
3. ياسمين أكمل أحمد حسن	فسيولوجي	مدرس مساعد	الفسيولوجيه الطبيه

الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	4. فاتن فوزي حضري محمد
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	5. شيماء علي محمد أبوزيد
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	6. أمل إبراهيم خليل متولي
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	7. إسراء خليل عبدالعزيز إبراهيم
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	8. آية محمد عبد الرازق الشيخ
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	9. هبة عصام الدين السيد علي
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	10. ندى علاء أحمد مصطفى
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	11. يناس إبراهيم الدسوقي شعبانا
التشريح الادمي و الاجنة	استاذ	التشريح الادمي و الاجنة	12. د أمل الشحات إبراهيم الشحات
التشريح الادمي و الاجنة	استاذ مساعد	التشريح الادمي و الاجنة	13. ابراهيم حسن ابراهيم على
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	14. ندى محمد عبدالعزيز محمد
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	15. سارة محمد صابر عرفه حامد
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	16. غادة محمود محمد ابراهيم
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	17. إيمان محمد كمال الدين الشربيني
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	18. رئيفة محمود محمد محمود
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	19. ناهد محمد مصطفى علوان حرموش
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	20. رئيفة محمود محمد محمود
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	21. اسراء احمد عبدالمنعم محمد
التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة	22. فاطمة الزهراء فتحي السيد نجم
التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة	23. مريم عاطف لويس اسكندر
التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة	24. دينا احمد محمد قنديل
الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية	25. عبدرعبد العظيم
الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية	26. ناديه محسن محمد على العقباوى
كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية	27. ولاء محمد سامى فوزى
كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية	28. ساره فؤاد عبد المنعم
كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية	29. علياء طلعت أحمد

Notes:

1- The specialization of the teaching staff and teaching assistants was well aligned with the course content. The student to staff ratio was approximately 12:1 reflecting a favorable academic environment that facilitates effective teaching and student engagement

2- Practical teaching sessions were assigned to the course teaching assistants based on their

competence, experience, and strong background in delivering practical instruction to students.

3- Students were divided into Groups A, B, and C and each group subdivided into 8-10 subgroups to ensure that group size was appropriate for the nature of the course and to meet students' educational and practical learning needs. This arrangement facilitated the effective implementation of active teaching and learning strategies and enhanced student engagement during practical sessions.

●تم مواءمة تخصص أعضاء هيئة التدريس والهيئة المعاونة مع محتوى المقرر بما يتماشى مع معايير الجودة والاعتماد الأكاديمي. وبلغت نسبة الطلاب إلى أعضاء هيئة التدريس حوالي **12:1**، وهو ما يُعد ضمن النسب الموصى بها وفق معايير ضمان الجودة، مما يعكس بيئة تعليمية مواتية تسهم في تحقيق التدريس الفعال وتعزيز تفاعل الطلاب.

●تم إسناد الجلسات التعليمية العملية إلى أعضاء الهيئة المعاونة بالمقرر، وذلك بناءً على كفاءتهم وخبراتهم وخلفيتهم القوية في تقديم التعليم والتدريب العملي للطلاب.

●تم تقسيم الطلاب إلى **المجموعات A و BوC**، مع تقسيم كل مجموعة إلى **8–10مجموعات فرعية**، وذلك لضمان ملاءمة حجم المجموعات لطبيعة المقرر وتلبية الاحتياجات التعليمية والعملية للطلاب. وقد ساهم هذا التنظيم في التطبيق الفعال لاستراتيجيات التعليم والتعلم النشط، وتعزيز مشاركة الطلاب وتفاعلهم أثناء الجلسات العملية.

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training (SGS)	Self-Learning/Others
1st	Normal anatomical position, directions and planes of human.		2		
1st	The regions and cavities of the human body.		1		
1st	The topography of each human system.		2		
1st	The topography of each human system.			2	
1st	The medical terminology related to histology of different body tissues		2		
1st	The most common medical terms of physiology		2		
1st	the common units related to biochemistry and basic international system of units and quantities		2		

Student Assessment Methods that have been Implemented

Method of Assessment *	Date	Marks	Type and number of questions	Measured Module Learning Outcomes (Mention the text)
Final Written	**1/10/2026**	**20**	**- 20 Single Best Answer (SBA)**	**-Describe normal anatomical position, directions, planes, regions, cavities, and topography of the human body. -Discuss the medical terminology related to histology of different body tissues. -Explain the most common medical terms of physiology Define the common units related to biochemistry and basic international system of units and quantities**
Assignment	**12/11/2025**	**10**	**Single Best 20-Answer (SBA)**	**- Describe normal anatomical position, directions, planes, regions, cavities, and topography of the human body. - -Discuss the medical terminology related to histology of different body tissues. - -Explain the most common medical terms of physiology - Define the common units related to biochemistry and basic international system of units and quantities**

*** The methods mentioned are examples the institution may add and delete depending on the nature of the course**

1. The assessment process was conducted in accordance with the Credit Point Bylaw (2023) and the Faculty of Medicine assessment policies.
2. A variety of assessment methods were used, including final written examinations and assignments, to evaluate students' achievement of the module learning outcomes.

Student Assessment Results

Number of students (who started the module):	**1770**
Number of students (who completed the module/ sat for the exam):	**1591**
Number of students who did not attend the final written exam (absent - deprived - withdrawn):	**(absent)179**
Total number of students who passed the exams successfully:	**1492**
Percentage of success (out of the total number of students who sat for the final exam)	**93.78%**
Percentage of failure (for the total number of students who took the final exam)	**6.22%**

The number of students who attended the Principles of medicine study & medical terminology module examination represents approximately 89.89% of the total number of students enrolled in the First Academic Year, rather than the entire cohort.

A comparative evaluation of results for the academic year 2025–2026 demonstrated a notable improvement compared to the previous academic year. The overall success rate increased by 93.78%reflecting enhanced student engagement, improved learning experiences, and the effectiveness of the implemented educational strategies.

Maintaining this upward trend will require ongoing evaluation of student needs, continuous curriculum development, and further strengthening of active learning and student support initiatives.

3. Student Feedback

Item	Comment
Means of Evaluation:	Student Satisfaction Questionnaire
Timing of Evaluation:	At the end of the semester
Number of students who participated in the course evaluation	
Important points of satisfaction	1. Interactive teaching methods and practical sessions were positively evaluated. 2. The learning environment and communication with staff were generally perceived positively.
Important points of dissatisfaction	1. Expand online educational resources and blended learning approaches. 2. Continue encouraging interactive teaching and student participation.

2- Module development plan for the next academic semester/year

(considering the student assessment results as well as the student feedback and instructors' reflection)

No.	Points that need development or improvement	Corrective/ Improvement Actions	Method of implementation	Responsible	Notes
1.	Strengthen practical teaching activities and hands-on training	Increase use of anatomical models, microscopes, histological slides, and structured practical sessions	Increase number of anatomical models, microscopes, histological slides	Head of Department, Measurement and Assessment unit & Teaching Staff	Requires the availability of resources and coordination
2.	Improve learning resources and online content	Expand uploading of digital materials, recorded lectures	Using Microsoft teams and LMS to provide update materials, e- book n	E- learning unit Teaching staff	Continuous development

Name and Signature Module Coordinator	Name and Signature Head of the department council

Module Report

Academic Year: 2025-2026 Semester: S2

1- Basic Information

Module Title (according to the bylaw):	**Professional Practice II: Basic clinical skills I**
Module Code (according to the bylaw):	**MED 108**
Department/s that participated in the teaching:	**Anesthesia and Internal Medicine**
Total number of credit hours/points of the course:	**(CP3)**
Module Type:	**Compulsory**
The level to which the course was introduced:	**1st academic year**
Academic Program:	**Bachelor of Medicine and Surgery (MBBCH)**
Faculty/Institute:	**Faculty of Medicine**
University/Academy:	**Zagazig university**
Name of Module Coordinator:	**Dr. Rasha Wahdan / Dr. Ahmed Noaman**
Date of approval of the course report	**15/9/2026**

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		Number of Teaching Assistants	
Full-time (at least 4 working days)	Part-time (1 or 2 days)	Full-time (at least 4 working days)	Part-time (1 or 2 days)
Internal medicine (42) Anesthesia (72)	------	Internal medicine (7)	

Instructor Name	Department	Academic degree	Specialty
1. Amr El-Hawary	Internal medicine	professor	Internal medicine
2. Mahmoud Amer	Internal medicine	Ass.Professor	Internal medicine

3. Ahmed Saleh Alam	Internal medicine	Ass. professor	Internal medicine
4. Marwan El-Gohary	Internal medicine	Ass.Professor	Internal medicine
5. Rami Adel	Internal medicine	Lecturer	Internal medicine
6. Ezza Hassan	Internal medicine	Professor	Internal medicine
7. Nevine Fouad	Internal medicine	Professor	Internal medicine
8. Fatma Attia	Internal medicine	Lecturer	Internal medicine
9. Ayman Fathy El-Sayed	Internal medicine	Ass. Professor	Internal medicine
10. Mohamed Gamal Khalifa	Internal medicine	Lecturer	Internal medicine
11. Mahmoud Hosny	Internal medicine	Ass. Professor	Internal medicine
12. Reda El-Khodary	Internal medicine	Lecturer	Internal medicine
13. Abdullah Nwara	Internal medicine	Professor	Internal medicine
14. Saeed Abdel Baky	Internal medicine	Professor	Internal medicine
15. Rodalia Makhlof	Internal medicine	Professor	Internal medicine
16. Michael Edward	Internal medicine	Lecturer	Internal medicine
17. Arafa El-Shabrawy	Internal medicine	Lecturer	Internal medicine
18. Walid Attia	Internal medicine	Professor	Internal medicine
19. Ahmed Ismail	Internal medicine	Lecturer	Internal medicine
20. Ahmed Atef	Internal medicine	Lecturer	Internal medicine
21. Noha Osama	Internal medicine	Lecturer	Internal medicine
22. Fatma El-Taher	Internal medicine	Lecturer	Internal medicine
23. Ahmed Farag	Internal medicine	Lecturer	Internal medicine
24. Ahmed Mahmoud	Internal medicine	Lecturer	Internal medicine
25. Mostafa Mahmoud	Internal medicine	Lecturer	Internal medicine
26. Samar Mohasseb	Internal medicine	Lecturer	Internal medicine
27. Amr El-Labban	Internal medicine	Lecturer	Internal medicine
28. Nashwa Deraz	Internal medicine	Ass.Lecturer	Internal medicine
29. Moataz Mohamed	Internal medicine	Ass.Lecturer	Internal medicine
30. Ahmed Noaman	Internal medicine	Ass.Lecturer	Internal medicine
31. Ayman Farid	Internal medicine	Lecturer	Internal medicine
32. Ahmed El-Qallaly	Internal medicine	Ass.Lecturer	Internal medicine

33. Mohamed Gamal Khesha	Internal medicine	Ass.Lecturer	Internal medicine
34. Mohamed Gaber	Internal medicine	Lecturer	Internal medicine
35. El-Sayed Anany	Internal medicine	Ass.Proffesor	Internal medicine
36. Mohamed Abdel Azim	Internal medicine	Ass. Professor	Internal medicine
37. Shaimaa Morsi	Internal medicine	Ass. Professor	Internal medicine
38. Hala Alam	Internal medicine	Lecturer	Internal medicine
39. Osama Ragab	Internal medicine	Professor	Internal medicine
40. Mohamed Sedky	Internal medicine	Ass. Professor	Internal medicine
41. Nermeen Saad	Internal medicine	Professor	Internal medicine
42. Amr Badawy	Internal medicine	professor	Internal medicine
43. Mohammed Fekry	Internal medicine	lecturer	Internal medicine
44. Aya hefny	Internal medicine	lecturer	Internal medicine
45. Islam Maher	Internal medicine	Ass.lecturer	Internal medicine
46. Ahmed Attia	Internal medicine	lecturer	Internal medicine
47. Ahmed Menshawy	Internal medicine	lecturer	Internal medicine
48. Tarek AL aswad	Internal medicine	Ass.lecturer	Internal medicine
49. Asmaa El Agawany	Internal medicine	Proffesor	Internal medicine
1. Prof. Amal El-Malky	Anathesia	Professor and Head of Department	Anathesia
2. Prof. Dalal Saud	Anathesia	Professor	Anathesia
3. Prof. Howaida Othman	Anathesia	Professor	Anathesia
4. Prof. Howaida Kamal	Anathesia	Professor	Anathesia
5. Prof. Manal El-Farmawy	Anathesia	Professor	Anathesia
6. Assoc. Prof. Nahla Amin	Anathesia	Associate Professor	Anathesia
7. Assoc. Prof. Osama Aboulfotouh	Anathesia	Associate Professor	Anathesia
8. Assoc. Prof. El-Shaimaa Abdel Fattah	Anathesia	Associate Professor	Anathesia
9. Assoc. Prof. Naglaa Fathy	Anathesia	Associate Professor	Anathesia
10. Assoc. Prof. Khadija El-Husseiny	Anathesia	Associate Professor	Anathesia

11. Assoc. Prof. Marwa Medhat	**Anathesia**	**Associate Professor**	**Anathesia**
12. Assoc. Prof. Sherin El-Sayed	**Anathesia**	**Associate Professor**	**Anathesia**
13. Assoc. Prof. Ahmed Muslim	**Anathesia**	**Associate Professor**	**Anathesia**
14. Assoc. Prof. Essam El-Din Nagm	**Anathesia**	**Associate Professor**	**Anathesia**
15. Assoc. Prof. Ali Barakat	**Anathesia**	**Associate Professor**	**Anathesia**
16. Assoc. Prof. Asmaa Galal	**Anathesia**	**Associate Professor**	**Anathesia**
17. Assoc. Prof. Rehab Wahdan	**Anathesia**	**Associate Professor**	**Anathesia**
18. Dr. Rasha Wahdan	**Anathesia**	**Associate Professor**	**Anathesia**
19. Dr. Menna Mohamed Alaa	**Anathesia**	**Lecturer**	**Anathesia**
20. Dr. Sara Heikal	**Anathesia**	**Lecturer**	**Anathesia**
21. Dr. Ezzat El-Shabrawy	**Anathesia**	**Lecturer**	**Anathesia**
22. Dr. Mohamed Ali	**Anathesia**	**Lecturer**	**Anathesia**
23. Dr. Ashraf Abouelnour	**Anathesia**	**Lecturer**	**Anathesia**
24. Dr. Abdallah Gouda	**Anathesia**	**Lecturer**	**Anathesia**
25. Dr. Ahmed Bahgat	**Anathesia**	**Lecturer**	**Anathesia**
26. Dr. Khaled El-Iraqi	**Anathesia**	**Lecturer**	**Anathesia**
27. Dr. Ahmed Abdel Khaleq	**Anathesia**	**Lecturer**	**Anathesia**
28. Dr. Moataz Diab	**Anathesia**	**Lecturer**	**Anathesia**
29. Dr. Ahmed Mostafa	**Anathesia**	**Lecturer**	**Anathesia**
30. Dr. Asmaa El-Sheikh	**Anathesia**	**Lecturer**	**Anathesia**
31. Dr. Alaa Fouad	**Anathesia**	**Lecturer**	**Anathesia**
32. Dr. Mohamed El-Barmawy	**Anathesia**	**Lecturer**	**Anathesia**
33. Dr. Amani Fathy	**Anathesia**	**Lecturer**	**Anathesia**
34. Dr. Ayman Eskandar	**Anathesia**	**Lecturer**	**Anathesia**
35. Dr. Mohamed Samy	**Anathesia**	**Lecturer**	**Anathesia**
36. Dr. Wououd Mohy	**Anathesia**	**Lecturer**	**Anathesia**
37. Dr. Mai Mostafa	**Anathesia**	**Lecturer**	**Anathesia**

38. Dr. Aya Abbas	Anathesia	Lecturer	Anathesia
39. Dr. Marwa Zaqzouq	Anathesia	Lecturer	Anathesia
40. Dr. Mohamed Saad	Anathesia	Lecturer	Anathesia
41. Dr. Mahmoud Hussein	Anathesia	Lecturer	Anathesia
42. Dr. Islam Osama	Anathesia	Lecturer	Anathesia
43. Dr. Salwa Samir	Anathesia	Lecturer	Anathesia
44. Dr. Manal Rashed	Anathesia	Lecturer	Anathesia
45. Dr. Amani El-Didamony	Anathesia	Lecturer	Anathesia
46. Dr. Heba El-Aasar	Anathesia	Lecturer	Anathesia
47. Dr. Hatem Nazmy	Anathesia	Lecturer	Anathesia
48. Dr. Mohamed Essam	Anathesia	Lecturer	Anathesia
49. Dr. Nader Farag	Anathesia	Lecturer	Anathesia
50. Dr. Amira Saeed	Anathesia	Lecturer	Anathesia
51. Dr. Ebtehal Ali	Anathesia	Lecturer	Anathesia
52. Dr. Mohamed Gaber	Anathesia	Lecturer	Anathesia
53. Dr. Nermine Mohamed	Anathesia	Lecturer	Anathesia
54. Dr. Sara Gaafar	Anathesia	Lecturer	Anathesia
55. Dr. Mai El-Ahmady	Anathesia	Lecturer	Anathesia
56. Dr. Rania Kamel	Anathesia	Lecturer	Anathesia
57. Dr. Ahmed Fahmy	Anathesia	Lecturer	Anathesia
58. Dr. Gehan Moghawry	Anathesia	Lecturer	Anathesia
59. Dr. Amr Abdel Fattah	Anathesia	Lecturer	Anathesia
60. Dr. Khaled Mahrous	Anathesia	Lecturer	Anathesia
61. Dr. Islam Sobhy	Anathesia	Lecturer	Anathesia
62. Dr. Ahmed Beniamin	Anathesia	Lecturer	Anathesia
63. Dr. Ahmed Raafat	Anathesia	Lecturer	Anathesia
64. Dr. Aliaa El-Zayat	Anathesia	Lecturer	Anathesia
65. Dr. Ayman Abdel Latif	Anathesia	Lecturer	Anathesia
66. Dr. Emad Hamdy	Anathesia	Lecturer	Anathesia
67. Dr. Ahmed Abdel Moneim	Anathesia	Lecturer	Anathesia

68. Dr. Mohamed Qamhawy	**Anathesia**	**Lecturer**	**Anathesia**
69. Dr. Hend Abdel Fattah	**Anathesia**	**Lecturer**	**Anathesia**
70. Dr. Mahmoud Aboulaban	**Anathesia**	**Lecturer**	**Anathesia**
71. Dr. Hala Abdel Kader	**Anathesia**	**Lecturer**	**Anathesia**
72. Dr. Amani Fouad	**Anathesia**	**Lecturer**	**Anathesia**

ملاحظات:

1- كان تخصص أعضاء هيئة التدريس متوافقاً تماماً مع محتوى المقرر الدراسي. وقد بلغت نسبة الطلاب إلى أعضاء هيئة التدريس حوالي 17:1، مما يعكس بيئة أكاديمية مواتية تُسهّل التدريس الفعال وتعزز تفاعل الطلاب.

2- أُسندت بعض من مهام الجلسات العملية إلى معاوني أعضاء هيئة التدريس بناءً على كفاءتهم وخبرتهم وخلفيتهم القوية في تقديم التدريب العملي للطلاب. وذلك لإكسابهم مهارة وخبرة من أعضاء هيئة التدريس اثناء الموديول.

3- قُسّم الطلاب إلى مجموعات (أ، ب، ج)، وجرى تقسيم كل مجموعة منها إلى 8-10 مجموعات فرعية؛ وذلك لضمان ملاءمة حجم المجموعات لطبيعة المقرر وتلبية الاحتياجات التعليمية والعملية للطلاب. وقد أتاح هذا التنظيم تطبيقاً فعالاً لاستراتيجيات التدريس والتعلم النشط، كما عزز من تفاعل الطلاب خلال الجلسات العملية..

4- تم عمل جلسات مراجعة للجزئيات العملية في الموديول ضمن خطة التحسين ولقيت ترحيب وقبول من الطلاب.

Teaching and Learning					
Number of weeks of actual study	**Total number of theoretical teaching hours (Lectures/.....)**	**Total number of training hours (practical/clinical/...)**	**Total number of field training hours (if any)**	**Total number of self-learning hours (if any)**	**Other (to be mentioned)**
12 Wks.	**24 h**	**24 h**		**22h**	

Week #	**Module Topics**	**Total Weekly Hours**	**Expected Teaching and Learning Hours**		
			Theoretical	**Clinical/Practical Training**	**Self-Learning/Others**
1	Airway management	6	2	2	2
2	Managing Choking patients (adult)	6	2	2	2
3	Managing Choking patients (child, infant)	6	2	2	2
4	Basic Life Support & Automated External Defibrillation part1	6	2	2	2
5	Basic Life Support & Automated External Defibrillation part 2	6	1	3	2
6	Basic Life Support & Automated External Defibrillation Part 3	6	1	3	2
7	Recovery position & and safe patient transfer	6	2	2	2

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training	Self-Learning/Others
8	Clinical sheet: history and general examination	6	1	3	2
9	Vital signs	6	1	3	2
10	Different Injections Techniques	6	1	3	2
11	**Revision**	10	2	2 4	2
12	**Total**	70	24	24	22

ملاحظات:

قام أعضاء هيئة التدريس بتقديم محتوى المقرر بعناية لضمان المواءمة السليمة بين الجوانب النظرية والعملية وعدد الأسابيع الدراسية المخصصة؛ ونتيجة لذلك، تم تغطية جميع الموضوعات المحددة في وثيقة مواصفات المقرر بنجاح ضمن الإطار الزمني المقرر. وعلاوة على ذلك، جرى تطبيق كافة استراتيجيات التدريس والتعلم الواردة في مواصفات المقرر - ولا سيما أساليب التعلم النشط - بفعالية، وذلك بهدف تعزيز تجربة التعلم لدى الطلاب ودعم تحقيق نواتج التعلم المستهدفة، مما ساهم في تحسين الأداء الأكاديمي للطلاب وتطورهم التعليمي الشامل. هذا بالإضافة الى شرح المحتوى على مرحلتين مرحلة في صورة محاضرة لتثبيت الجانب العلمي وتخصيص وقت مماثل للتدريب العملي وعمل حصص مراجعات على التطبيق العملي بعد انتهاء الموديول مرة أخرى وذلك للتأكيد على المهارات العملية، وهذه المراجعة كانت إضافة للتدريس وللجداول هذا العام تلبيه لاحتياجات الطلاب. وتم رفع فيديوهات علمية على المنصة الخاصة بالطلاب أيضا لمراجعة المهارة العملية التي تم شرحها بصورة مستمرة.

				Student Assessment Methods that have been Implemented	
Method of Assessment *	**Date**	**Marks**	**Type and number of questions**	**MLO**	**Measured Module Learning Outcomes** (Mention the text)
Quiz	**16-6-2026**	**13 Marks**	**14 Single Best Answer (SBA) questions**	**1.2.1** **1.2.2** **1.2.5** **1.4.1** **1.4.2** **1.5.1**	**Identify the main items of history taking** **Communicate with patients ethically** **Describe the indications of different methods of injections** **Identify the items of general examination** **Clarify choking management in adults, children & infants** **Differentiate between managing a conscious & comatose patient**
Final Written	**16-6-2026**		**18 Single Best Answer (SBA) questions**	**1.2.1** **1.2.2** **1.4.1** **4.8.1** **5.3.1** **5.3.2** **5.3.3** **5.4.1** **5.4.2** **5.4.3** **1.2.3**	**Identify the main items of history taking** **Communicate with patients ethically** **Identify the items of general examination** **Identify the vital signs** **Identify the common uses of ID injections** **Clarify indications and contraindications of IM injections** **Demonstrate the types of medication administration by IV injection** **Describe the importance of the safe injection practice** **Summarize the potential complications of injections** **Memorize the aftercare of IV injection** **Define choking**

		18 Marks		1.2.4 1.2.5 1.4.2 1.5.1 1.6.1 1.6.2 1.7.1 1.7.2	Identify fainting Describe the indications of different methods of injections Clarify choking management in adults, children & infants Differentiate between managing a conscious & comatose patient Identify types, sizes, indications, and contraindications of airways Clarify different supraglottic airway devices Define cardiac arrest Clarify the causes of cardiac arrest
OSPE	17/18/20-6-2026	14 Marks	2 Stations for Internal Medicine A. Station for Vital signs assessment B. Station for Injection assessment 2 STATIONS For anesthesia A. Station for basic life support (BLS) B. Station for Airway Management	1.11.1 1.11.2 1.15.2 1.15.3 1.15.4 1.15.5 4.8.1 4.8.2 4.8.3 1.11.3	Apply first aid measurements for choking patients Perform basic maneuvers of airway opening Perform BLS algorithm Apply CPR Operate AED Put the unconscious patient in the recovery position Identify the vital signs Assess the pulse Apply steps of the blood pressure Measurement correctly Apply Intradermal (ID), Subcutaneous (SC) and Intramuscular (IM) injection techniques

1. أُجريت عملية التقييم وفقاً للائحة النقاط المعتمدة (2023) وسياسات التقييم في كلية الطب.
2. استُخدمت مجموعة متنوعة من أساليب التقييم، بما في ذلك الاختبارات القصيرة وكانت تغطى بعض من أجزاء المقرر، والامتحانات النهائية التحريرية والتي تغطى مخرجات التعلم للمقرر، والامتحان العملي المنظم والموضوعي(OSPE) ، وذلك لتقييم مدى تحقيق الطلاب لمخرجات التعلم الخاصة بالمقرر الدراسي.
3. تم اعلام الطلاب بقوائم مرجعية لخطوات التقييم قبل الامتحان العملي ومرفقة بالتقرير

	Student Assessment Results	
	Number of students (who started the module):	1979
	Number of students (who completed the module/ sat for the exam):	1604
	Number of students who did not attend the final written exam (absent, deprived - withdrawn):	Absent: 375
	Total number of students who passed the exams successfully:	1514
	Percentage of success (out of the total number of students who sat for the final exam)	94%

Grade Distribution				
Grade	مقبول	جيد	جيد جدا	امتياز
Number of students	124	148	308	934
Percentage	7.7%	9.2 %	19.2 %	58.2 %

	Total number of students who failed the exams:	**90**
	Percentage of failure (for the total number of students who took the final exam)	**5.6 %**
	يُظهر أداء الطلاب هذا العام أن بعضهم قد اجتاز المقرر الدراسي بنجاح، في حين لم يحقق آخرون متطلبات النجاح وبالنظر الى نسبة الطلاب الذين أكملوا الموديول الى الامتحان كانت النسبة هذا العام 81% مقارنة ب 85% العام الماضي. وقد شهد أداء الطلاب تحسناً مقارنة بالعام الدراسي السابق من حيث نسبة الإخفاق اقل من العام الماضي في حين ان نسب التقديرات المختلفة كانت متقاربة من العام الماضي مع اختلافات طفيفة؛ ويمكن أن يُعزى هذا التحسن إلى التنفيذ الفعال لأنشطة التعليم والتعلم، وتوفر موارد تعليمية تكميلية، وإجراء تقييمات تكوينية منتظمة وجلسات مراجعة، فضلاً عن زيادة فرص الطلاب للتدرب على صيغ مختلفة للأسئلة طوال فترة دراسة المقرر.	

1. Student Feedback

Item	Comment
Means of Evaluation:	Student Satisfaction Questionnaire
Timing of Evaluation:	At the end of the semester
Number of students who participated in the course evaluation	~~498~~
Percentage of participants to the total number	
Important points of satisfaction	1. Time was allowed for Interactive teaching methods and practical sessions were positively evaluated. 2. Revision Practical sessions were added and were informative 3. The practical exams were well organized and extended over three days with clear stations for evaluation.
Important points of dissatisfaction	1. There are not enough anatomical models for IM injections to facilitate practical training for all attendees 2. Artificial arms for pulse and blood pressure are needed to be increased

2. Module Enhancement

Module development plan for the next academic semester/year

A. The points that were corrected in this year (2025-2026) according to the recommendations of the previous academic year (2024-2025)

No.	Points that were improvemed	Corrective/ Improvement Actions	Method of implementation	Responsible	Notes
1.	Strengthen practical teaching activities	Increase use of anatomical models,	**Divid the small groups into**	Head of Department, Teaching Staff	Requires the availability

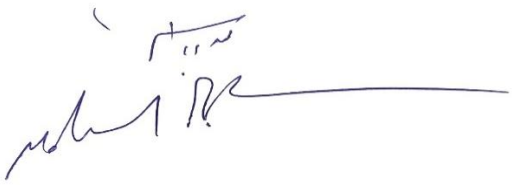
	and hands-on training	structured practical sessions Allow E-learning data like videos on the Microsoft teams	**subgroups and add revision sessions for practical part after the end of module**		of resources and coordination
2.	Improve practical assessment methods	Students were divided into small subgroups over three days and within the day they were divided along two time periods mutually between the two participating departments	**Redesign the practical exam format into stations with coordination between the department and teaching staff**	Head of Department, Teaching Staff	Long-term improvement goal
3.	Improve and standardize teaching handouts	Faculty members revised the content, and updates were done for example the table of blood pressure measured to be compatible with last international updates	**Faculty preparation followed by curriculum committee review**	Head of Department, Teaching Staff, Curriculum Committee (technical review)	Ongoing academic quality improvement

B. Recommendations for Next Academic Year (2026-2027)

No.	Points that need development or improvement	Recommendation Actions	Method of implementation	Responsible	Notes
1.	a. Increasing the Numbers of anatomical models for IM injections b. Increasing the number of artificial arms for pulse and blood pressure measurement	Officially Report these notes	**According to the average of students that attend the kill lab, the numbers of anatomical models should be estimated**	Head of skill lab	Requires the availability of resources and coordination
2.	Improve and strength practical	**Under observation of trained medical**	**Add in the timetable time**	Curriculum Committee Staff	Long-term improvement goal

	skills that were learnt	**stuff who teach the contents of module:** A. Students may be divided into small subgroups with clinical logbook and attend the outpatient's clinic and observe the measurement of vital signs and share in these clinical skills **B.** Also recommend students to attend in the critical care units to see how we can assess the conscious level of patients and observe steps of BLS.	**periods for theses activity with marks**		

Name and Signature **Module Coordinator**	**Name and Signature** **Head of the department council**
Dr. Rasha Wahdan **Dr. Ahmed Noaman**	



Module Report

Academic Year: 2025-2026 Semester: S1

1. Basic Information

Module Title (according to the bylaw):	**Professional Practice I (Professionalism)**
Module Code (according to the bylaw):	**MED -105**
Department/s that participated in the teaching:	**(Forensic medicine and toxicology- Community medicine and occupational health)**
Total number of credit hours/points of the course:	**(3 CP)**
Module Type:	**Compulsory**
The level to which the course was introduced:	**1st academic year (S1)**
Academic Program:	**Bachelor of Medicine and Surgery (MBBCH)**
Faculty/Institute:	**Faculty of Medicine**
University/Academy:	**Zagazig university**
Name of Module Coordinator:	**Dr. Nourhan Mohamed Hassan**
Date of approval of the course report	**17/3/2026**

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		Number of Teaching Assistants	
Full-time (at least 4 working days)	Part-time (1 or 2 days)	Full-time (at least 4 working days)	Part-time (1 or 2 days)
36	------	33	
Instructor Name	Department	Academic degree	Specialty
1. Prof. Amal Abdelkhalek	Forensic medicine and Clinical toxicology	Professor	Forensic medicine &Clinical toxicology
2. Prof. Shereen Elkhateeb	Forensic medicine and Clinical toxicology	Professor	Forensic medicine &Clinical toxicology
3. Prof. Eman Alaa	Forensic medicine and Clinical toxicology	Professor	Forensic medicine &Clinical toxicology
4. Azza Sobhy	Forensic medicine and Clinical toxicology	Professor	Forensic medicine &Clinical toxicology

5. Nadra Kandeel	Forensic medicine and Clinical toxicology	Professor	Forensic medicine &Clinical toxicology
6. Mona Atef	Forensic medicine and Clinical toxicology	Assistant Professor	Forensic medicine &Clinical toxicology
7. Ghadeer Abdelaal	Forensic medicine and Clinical toxicology	Assistant Professor	Forensic medicine &Clinical toxicology
8. Sahar Abdelrasheed	Forensic medicine and Clinical toxicology	Assistant Professor	Forensic medicine& Clinical toxicology
9. Bothina Omran	Forensic medicine and Clinical toxicology	Assistant Professor	Forensic medicine& Clinical toxicology
10. Wessam Barakat	Forensic medicine and Clinical toxicology	Lecturer	Forensic medicine &Clinical toxicology
11. Nourhan Mohamed	Forensic medicine and Clinical toxicology	Lecturer	Forensic medicine &Clinical toxicology
12. Rania Magdy	Forensic medicine and Clinical toxicology	Lecturer	Forensic medicine &Clinical toxicology
13. Doaa Abdelrazzak	Forensic medicine and Clinical toxicology	Lecturer	Forensic medicine & Clinical toxicology
14. Neama Mohamed	Forensic medicine and Clinical toxicology	Lecturer	Forensic medicine &Clinical toxicology
15. Hoda Gamal	Forensic medicine and Clinical toxicology	Assistant Lecturer	Forensic medicine &Clinical toxicology
16. Monica Rafaat	Forensic medicine and Clinical toxicology	Assistant Lecturer	Forensic medicine &Clinical toxicology
17. Aya Nageeb	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
18. Amira Azmy	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
19. Rodein Shokry	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
20. Mai Saeed	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
21. Sally Osama	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
22. Basma Taher	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
23. Aya Abdelmonem	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
24. Rana Hamed	Forensic medicine and Clinical toxicology	Demonstrator	Forensic medicine &Clinical toxicology
25. Ghada Mahmoud	Public Health and Community Medicine	Professor	Public Health and Community Medicine
26. Ghada Salem	Public Health and Community Medicine	Professor	Public Health and Community Medicine
27. Ahmed Farouk	Public Health and Community Medicine	Professor	Public Health and Community Medicine
28. Marwa Bayoumi	Public Health and	Professor	Public Health and

	Community Medicine		Community Medicine
29. Amani Shawki	Public Health and Community Medicine	Professor	Occupational Medicine
30. Noha Abdelsalam	Public Health and Community Medicine	Professor	Public Health and Community Medicine
31. Dalia El-shafei	Public Health and Community Medicine	Professor	Occupational Medicine
32. Afaf Al-adl	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
33. Dina Sameh	Public Health and Community Medicine	Associate Professor	Occupational Medicine
34. Nesma Abdallh	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
35. Mona Hamed	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
36. Lamiaa Lotfy	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
37. Hala Magdy	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
38. Hana Nofal	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
39. Amal Elwan	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
40. Amira Elsayed	Public Health and Community Medicine	Associate Professor	Public Health and Community Medicine
41. Doaa Mohamady	Public Health and Community Medicine	Lecturer	Public Health and Community Medicine
42. Dina AbdelWahab	Public Health and Community Medicine	Lecturer	Public Health and Community Medicine
43. Doaa Habib	Public Health and Community Medicine	Lecturer	Public Health and Community Medicine
44. Mona Zaitoun	Public Health and Community Medicine	Lecturer	Occupational Medicine
45. Lamyaa Nasr	Public Health and Community Medicine	Lecturer	Public Health and Community Medicine
46. Engy Esmat	Public Health and Community Medicine	Lecturer	Occupational Medicine
47. Yousra Ayman	Public Health and Community Medicine	Assistant Lecturer	Public Health and Community Medicine
48. Nora Rashad	Public Health and Community Medicine	Assistant Lecturer	Public Health and Community Medicine
49. Aya Attia	Public Health and Community Medicine	Assistant Lecturer	Occupational Medicine
50. Gehad Fawzy	Public Health and Community Medicine	Assistant Lecturer	Public Health and Community Medicine
51. Eman Tahsin	Public Health and Community Medicine	Assistant Lecturer	Public Health and Community Medicine

52. Dina Gaber	**Public Health and Community Medicine**	**Assistant Lecturer**	**Occupational Medicine**
53. Amira Ibrahim	**Public Health and Community Medicine**	**Assistant Lecturer**	**Public Health and Community Medicine**
54. Soad AbdelAzim	**Public Health and Community Medicine**	**Assistant Lecturer**	**Occupational Medicine**
55. Nada Hesham	**Public Health and Community Medicine**	**Assistant Lecturer**	**Public Health and Community Medicine**
56. Noha Hesham	**Public Health and Community Medicine**	**Assistant Lecturer**	**Public Health and Community Medicine**
57. Amira Shwally	**Public Health and Community Medicine**	**Assistant Lecturer**	**Occupational Medicine**
58. Samah AlAyman	**Public Health and Community Medicine**	**Assistant Lecturer**	**Public Health and Community Medicine**
59. Donia Attia	**Public Health and Community Medicine**	**Assistant Lecturer**	**Public Health and Community Medicine**
60. Omnia Radwan	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
61. Amira Essam	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
62. Hadeer Mohsen	**Public Health and Community Medicine**	**Demonstrator**	**Occupational Medicine**
63. Shimaa Alaa	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
64. Marina Farid	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
65. Yara Ahmed	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
66. Yara Hossam	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
67. Rana Badran	**Public Health and Community Medicine**	**Demonstrator**	**Occupational Medicine**
68. Sara Wahid	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**
69. Yasmeen Morad	**Public Health and Community Medicine**	**Demonstrator**	**Public Health and Community Medicine**

Notes (if any):

1- The specialization of the teaching staff and teaching assistants was well aligned with the course content. The student to staff ratio was approximately 27:1 reflecting a favorable academic environment to facilitate effective teaching and student engagement.
2- Practical teaching sessions were assigned to the course teaching assistants based on their competence, experience, and strong background in delivering practical instruction to students.
3- Students were divided into Groups A, B, and C to ensure that group size was appropriate for the nature of the course and to meet students' educational and practical learning needs. This arrangement facilitated the effective implementation of active teaching and learning strategies and enhanced student engagement during practical sessions.

Teaching and Learning					
Number of weeks of actual study	Total number of theoretical teaching hours (Lectures/.....)	Total number of training hours (practical/clinical/...)	Total number of field training hours (if any)	Total number of self-learning hours (if any)	Other (to be mentioned)
12	24	24		22	

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training	Self-Learning/Others
1st	**Professionalism:** ▪ Definition of related concepts. ▪ Medical student behaviour and classroom ethics. ▪ Professionalism attributes.	6	**2**	**2**	**2**
2nd	**Spectrum and Determinants of health**	6	**2**	2	**2**
3rd	**Self-learning and Learning resources in learning situations.** **Performance indicators in learning situations.**	6	**2**	**2**	**2**
4th	**Cultural beliefs, values, behavior and their relation to health and disease**	6	**2**	2	**2**
5th	**Medical Ethics and Bioethics:** ▪ Definition of related concepts.	6	**2**	**2**	**2**
6th	▪ The 4-Medical Ethical Principals. **Community Related Bioethics**	6	**2**	**2**	**2**
7th	**Time management**	6	**2**	**2**	**2**
8th	**Responsibility and Accountability:** ▪ Self-assessment and constructive feedback. ▪ Fitness to practice skills.	6		**2**	**2**
9th	▪ Social media and professionalism. ▪ Physician-Patient relationship	6	**4**		**2**

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training	Self-Learning/Others
10th	**Teamwork and conflict of interest**	6	**2**	**2**	**2**
11th	**Leadership** **Revision**	10	2	**2** **4**	**2**
12th	**Total**	70	**24**	**24**	**22**

Notes:

1- The teaching staff carefully delivered the course contents to ensure proper alignment between the theoretical content and the allocated number of teaching weeks.
2- All topics in the course specification were successfully covered within the scheduled time frame. The teaching and learning methods identified in the course specification particularly active learning strategies were successfully applied throw-out the course.
3- The use of various assessment methods, including assignments, and quizzes, provided students with continuous exposure to different question formats and assessment styles.

Student Assessment Methods that have been Implemented				
Method of Assessment *	**Date**	**Marks**	**Type and number of questions**	**Measured Module Learning Outcomes** (Mention the text)
Quiz	**5-1-2026**	**10**	**10 Single Best Answer (SBA) questions**	**1.4.1 Explain timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.** **1.7.1 Identify the complexity, uncertainty, and ambiguity inherent in medical practice.** **2.2.2 List the economic, psychological, social, and cultural fac¬tors that interfere with wellbeing.** **3.1.1 Define professionalism related concepts.** **3.1.2 List medical professional attributes and classroom ethics.** **3.2.1 Explain the professional standards and laws governing the practice, and abide by the national code of ethics issued by the Egyptian Medical Syndicate.** **3.3.1 Define ethical and bioethical related concepts.** **3.3.2 Show positive attitude towards commitment to ethical and professional standards of practice.** **3.4.1 Differentiate between community based bioethical principles.** **3.5.1 Apply ethical and bioethical principles in a virtual context.** **3.7.1 Identify conflicts of interest and its**

				management. **5.1.1 Explain teamwork, team dynamics and its challenges in the health care system with emphasis on conflict of interest.** **5.2.1 Explain shared responsibilities and decision-making with other health care professionals** **5.3.1 Recognize and resolve conflicts that support collaborative work.** **5.4.1 Determine and present leadership styles, theories &skills in learning &virtual clinical contexts in common health problems.** **5.7.1 Recognize personal and professional limits.** **5.12.1 Explain responsibility and accountability, with referral to the effect of social media.** **5.12.2 Demonstrate understanding fitness to practice skills.** **5.12.3 Practice self-assessment and constructive feedback process in learning context** **5.12.4 Explain physician-patient-relationship considering rules and responsibilities.** **6.1.1 Identify performance indicators & information resources in learning & virtual clinical contexts in common health problems** **6.2.1 Construct a self-learning plan and student priorities.** **6.3.1 Describe, prioritize and evaluate different resources of learning in learning situations.** **6.4.1 Define of health, wellness, wellbeing, Health spectrum, Determinants of health, Iceberg phenomenon.** **6.5.1 Definition of community, culture, beliefs, values, emotions, behavior, Illness, sickness & disease** **6.5.2 The influence of community culture, beliefs, values, emotions and behavior on health and disease** **6.6.1 Describe time management skills.** **6.6.2 Apply time management Skills.**
Final Written	**5-1-2026**		**18 Single Best Answer (SBA) questions**	**1.4.1 Explain timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.** **1.7.1 Identify the complexity, uncertainty, and ambiguity inherent in medical practice.** **2.2.2 List the economic, psychological, social, and cultural fac¬tors that interfere with wellbeing.** **3.1.1 Define professionalism related concepts.** **3.1.2List medical professional attributes and classroom ethics.** **3.2.1Explain the professional standards and**

		18		**laws governing the practice, and abide by the national code of ethics issued by the Egyptian Medical Syndicate.** **3.3.1 Define ethical and bioethical related concepts.** **3.3.2Show positive attitude towards commitment to ethical and professional standards of practice** **3.4.1 Differentiate between community based bioethical principles.** **3.5.1 Apply ethical and bioethical principles in a virtual context.** **3.7.1 Identify conflicts of interest and its management.** **5.1.1Explain teamwork, team dynamics and its challenges in the health care system with emphasis on conflict of interest.** **5.2.1 Explain shared responsibilities and decision-making with other health care professionals** **5.3.1 Recognize and resolve conflicts that support collaborative work.** **5.4.1 Determine and present leadership styles, theories &skills in learning &virtual clinical contexts in common health problems.** **5.7.1Recognize personal and professional limits.** **5.12.1Explain responsibility and accountability, with referral to the effect of social media.** **5.12.2 Demonstrate understanding fitness to practice skills.** **5.12.3 Practice self-assessment and constructive feedback process in learning context** **5.12.4Explain physician-patient-relationship considering rules and responsibilities.** **6.1.1 Identify performance indicators & information resources in learning & virtual clinical contexts in common health problems** **6.2.1 Construct a self-learning plan and student priorities.** **6.3.1 Describe, prioritize and evaluate different resources of learning in learning situations.** **6.4.1Define of health, wellness, wellbeing, Health spectrum, Determinants of health, Iceberg phenomenon.** **6.5.1 Definition of community, culture, beliefs, values, emotions, behavior, Illness, sickness & disease** **6.5.2The influence of community culture, beliefs, values, emotions and behavior on health and disease** **6.6.1Describe time management skills.** **6.6.2 Apply time management skills in learning situations**

OSPE	**5-1-2026**	**14**	**14 SBA questions with 7 case scenarios**	**1.4.1 Explain timed full physical examination of patients appropriate to the age, gender, and clinical presentation of the patient while being culturally sensitive.** **1.7.1 Identify the complexity, uncertainty, and ambiguity inherent in medical practice.** **2.2.2 List the economic, psychological, social, and cultural factors that interfere with wellbeing.** **3.1.1 Define professionalism related concepts.** **3.1.2 List medical professional attributes and classroom ethics.** **3.2.1 Explain the professional standards and laws governing the practice, and abide by the national code of ethics issued by the Egyptian Medical Syndicate.** **3.3.1 Define ethical and bioethical related concepts.** **3.3.2 Show positive attitude towards commitment to ethical and professional standards of practice.** **3.4.1 Differentiate between community based bioethical principles.** **3.5.1 Apply ethical and bioethical principles in a virtual context** **6.1.1 Identify performance indicators & information resources in learning & virtual clinical contexts in common health problems** **6.2.1 Construct a self-learning plan and student priorities.** **6.3.1 Describe, prioritize and evaluate different resources of learning in learning situations.** **6.4.1 Define of health, wellness, wellbeing, Health spectrum, Determinants of health, Iceberg phenomenon.** **6.5.1 Definition of community, culture, beliefs, values, emotions, behavior, Illness, sickness & disease** **6.5.2 The influence of community culture, beliefs, values, emotions and behavior on health and disease** **6.6.1 Describe time management skills.** **6.6.2 Apply time management skills in learning situations.**
Assignment		**3**	**3 SBA questions delivered through 1 case scenario**	**3.7.1 Identify conflicts of interest and it's management.** **5.1.1 Explain teamwork, team dynamics and its challenges in the health care system with emphasis on conflict of interest**
Formative assessment		-	-	
TBL		-	-	
Portfolio		-	-	

The methods mentioned are examples the institution may add and delete depending on nature of the course:

1. The assessment process was conducted in accordance with the Credit Point Bylaw (2023) and the

Faculty of Medicine assessment policies.
2. A variety of assessment methods were used, including quizze, final written examinations, assignments to evaluate students' achievement of the module learning outcomes.

Overall, the assessment methods provided appropriate opportunities to evaluate students' achievement of the module learning outcome.

Student Assessment Results	
Number of students (who started the module):	**1840**
Number of students (who completed the module/ sat for the exam):	**1631**
Number of students who did not attend the final written exam (absent, deprived - withdrawn):	**209 (Absent)**
Total number of students who passed the exams successfully:	**1377**
Percentage of success (out of the total number of students who sat for the final exam)	**84.43%**

Grade Distribution					
Grade	مقبول	جيد	جيد جدا	امتياز	راسب
Number of students	**135**	**191**	**335**	**716**	**254**
Percentage	**9.8%**	**13.9%**	**24.3%**	**52%**	
Total number of students who failed the exams:			**254**		
Percentage of failure (for the total number of students who took the final exam)			**15.57%**		

-Student performance in this year shows that some students passed the module successfully, while others did not achieve the passing requirements.
The reasons for not passing were different. Some students were not allowed to complete the exam due to disciplinary actions related to cheating cases. In addition, some students attended the exam but did not achieve the minimum passing score.

Compared with the previous academic year, student performance showed a noticeable improvement. The overall success rate increased by 15.94%.This improvement may be attributed to the effective implementation of teaching and learning activities, the availability of supplementary learning resources, regular formative assessments, revision sessions, and increased opportunities for students to practice different question formats throughout the module.

3. Student Feedback

Item	Comment
Means of Evaluation:	**Student Satisfaction Questionnaire**
Timing of Evaluation:	**At the end of the semester**

Item	Comment
Number of students who participated in the course evaluation	**501**
Percentage of participants to the total number	**27.2%**
Important points of satisfaction	**1. Interactive teaching methods and practical sessions were positively evaluated.** **2. The learning environment and communication with staff were generally perceived positively.**
Important points of dissatisfaction	**1. Expand online educational resources and blended learning approaches.** **2. Continue encouraging interactive teaching and student participation.**

4. Module development plan for the next academic semester/year

(Considering the student assessment results as well as the student feedback and instructors' reflection)

No.	Points that need development or improvement	Corrective/ Improvement Actions	Method of implementation	Responsible	Notes
1.	Improve and standardize teaching handouts	Faculty members responsible for content development to revise materials, followed by a technical review for consistency and quality	Faculty preparation followed by curriculum committee review	Head of Department, Teaching Staff, Curriculum Committee (technical review)	Ongoing academic quality improvement
2.	Enhance assessment feedback and communication with students	Provide structured feedback sessions and timely communication of assessment results	Oral and written feedback sessions after exams and assignments	Teaching Staff	Continuous implementation
3.	Expand interactive teaching and case-based learning	Increase use of TBL, clinical case discussions, and active learning strategies	Integrate interactive activities into the weekly teaching plan	Teaching Staff	Already partially implemented, to be strengthened

Name and Signature Module Coordinator	Name and Signature Head of the department council

Module Report

Academic Year:2025/2026 Semester: S2 1.

Basic information

Module Title (according to the bylaw):	**Cardiopulmonary**
Module Code (according to the bylaw):	**MED-106**
Department/s that participated in the teaching:	**Physiology** **Anatomy** **Histology** **biochemistry**
Total number of credit hours/points of the course:	**12**
Module Type:	compulsory اجباري
The level to which the course was introduced:	1 st academic year
Academic Program:	Bachelor of medicine and surgery (MBBCH)
Faculty/Institute:	Faculty of medicine
University/Academy:	Zagazig university
Name of Module Coordinator:	**د. علا علي عبدالوهاب مصطفى) استاذ مساعد)**
Date of approval of the course report	15/9/2026

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		**Number of Teaching Assistants**	
Full-time (at least 4 working days)	**Part-time (1 or 2 days)**	**Full-time (at least 4 working days)**	**Part-time (1 or 2 days)**
120		**78**	
Instructor Name	**Department**	**Academic degree**	**Specialty**
ا.د\ شيرين العربي بدير	**physiology**	**professor**	**physiology**

ا.د\ اكم ل احمد حس ن	physiology	professor	physiology
ا.د\محمد عبدالحميد	physiology	professor	physiology
ا.د\ صلاح زغلو ل	physiology	professor	physiology
ا.د\ عبير البيومي خليف ة	physiology	professor	physiology
ا.د\ نوال خلي ل	physiology	professor	physiology

ا.د\ مي محمد حس ن	physiology	professor	physiology
ا.د\ راندا صلاح	physiology	professor	physiology
ا.د\ خالد ابوالفض ل	physiology	professor	physiology
ا.د\ مها عبدالحميد	physiology	professor	physiology
ا.م.د \ عبيرعبدالمنعم سعي د	physiology	Assistant professor	physiology
ا.م.د \ نانيس فؤاد	physiology	Assistant professor	physiology
ا.م.د \ رضوي محمود السيد	physiology	Assistant professor	physiology
ا.م.د \ ايمان رض ا	physiology	Assistant professor	physiology
ا.م.د \ وسا م محمد رض ا	physiology	Assistant professor	physiology
ا.م.د \ ريها م ماه ر وحيد	physiology	Assistant professor	physiology
ا.م.د \ شيرين فتح ي السيد	physiology	Assistant professor	physiology
ا.م.د \ شيماءالسيد هدهو د	physiology	Assistant professor	physiology
د\ هديل ايمن محمد	physiology	lecturer	physiology
د\ ايمان عبدالرؤو ف محمود	physiology	lecturer	physiology
د\ سارة احمد جما ل	physiology	lecturer	physiology
د\اميرة مختار عبدالغني	physiology	lecturer	physiology
د\ داليا عاط ف رشد ي	physiology	lecturer	physiology
د\ نهال ابراهيم هند ي	physiology	lecturer	physiology
د\هبة صلاح جمعه	physiology	lecturer	physiology
د\هند محمد عيس ى	physiology	lecturer	physiology
د\ ايناس ابراهيم الدسوق ي	physiology	Assistant lecturer	physiology
د\ مني طارق محمد	physiology	Assistant lecturer	physiology
د\ فاتن فوزي حضر ي	physiology	Assistant lecturer	physiology
د\ياسمين اكم ل احمد	physiology	Assistant lecturer	physiology
د\امنية القزاز	physiology	Assistant lecturer	physiology
د\فاطمة نبيل	physiology	Assistant lecturer	physiology
د\امل ابراهيم خلي ل	physiology	Assistant lecturer	physiology
د\مريم نصر ميخائيل	physiology	Assistant lecturer	physiology
د\شيماء يح ي حس ن	physiology	Assistant lecturer	physiology
د\شيماء عل ي محمد	physiology	Assistant lecturer	physiology
د\ندي علاء احم د	physiology	Assistant lecturer	physiology
د\هبة عصا م السيد	physiology	Assistant lecturer	physiology
د\ايةمحمد الشي خ	physiology	Assistant lecturer	physiology
د\ سارة احمد ابراهي م	physiology	administrator	physiology

د\ندي عبدالمقصود الشاذل ي	physiology	administrator	physiology
د\ ايه السيد المقد م	physiology	administrator	physiology
د\فاطمة عبده اسماعي ل	physiology	administrator	physiology
د\اسماء جودة عبدالمولى	physiology	administrator	physiology
د\ مي احمد الهاد ي	physiology	administrator	physiology
د\ اسراء رجب عبداللطي ف	physiology	administrator	physiology
د\ايمان ممدوح محمد	physiology	administrator	physiology
د\ضحي خلي ل عل ي	physiology	administrator	physiology
د\سارة طار ق محمد	physiology	administrator	physiology
د\ نورهان حسني عبدالفتا ح	physiology	administrator	physiology
د\اسما ء محمد عبدالمنعم	physiology	administrator	physiology
د\ افنا ن نظمي عطو ة	physiology	administrator	physiology
د\سنية شفيق جلا ل	physiology	administrator	physiology
د\ ندي عبد المجيد ابراهيم	physiology	administrator	physiology
ا د \راندا حسيني	biochemistry	professor	biochemistry
ا د \هايدي عصام	biochemistry	professor	biochemistry
ا د \هبه فؤا د	biochemistry	professor	biochemistry
ا د \ نورهان عبد الل	biochemistry	professor	biochemistry
ا د \هاله مسعد	biochemistry	professor	biochemistry
ا د \ ساميه حسي ن	biochemistry	professor	biochemistry
ا د م \امل فوزي	biochemistry	Assistant professor	biochemistry
ا د م \مروه حس ن	biochemistry	Assistant professor	biochemistry

ا د م \هانم مجد ي	biochemistry	Assistant professor	biochemistry
ا د م \اميره صابر	biochemistry	Assistant professor	biochemistry
ا د م \ولاء سامي	biochemistry	Assistant professor	biochemistry
ا د م \ساره فؤاد	biochemistry	Assistant professor	biochemistry
ا د م \علياء طلع ت	biochemistry	Assistant professor	biochemistry
د\دعاء محمود	biochemistry	lecturer	biochemistry
د\بسمه قناو ي	biochemistry	lecturer	biochemistry
د\ولاء السعيد	biochemistry	lecturer	biochemistry
د\ هند سامح	biochemistry	lecturer	biochemistry
د\ بسمه احمد	biochemistry	lecturer	biochemistry
د\ ايمان احمد	biochemistry	lecturer	biochemistry
د\مي محمود	biochemistry	lecturer	biochemistry
د\ انسام مقبل	biochemistry	lecturer	biochemistry
د\ هدى كمال	biochemistry	lecturer	biochemistry
د \سلمى احمد	biochemistry	lecturer	biochemistry
د\ اسماء عطيه	biochemistry	Assistant lecturer	biochemistry
د\ دينا صلا ح	biochemistry	Assistant lecturer	biochemistry

د \ نهال طه	biochemistry	Assistant lecturer	biochemistry
د \نورا يوسف	biochemistry	Assistant lecturer	biochemistry
د \يمنى محمد	biochemistry	administrator	biochemistry
د\ ديانا مدحت	biochemistry	administrator	biochemistry
د \ ندى عاطف	biochemistry	administrator	biochemistry
د\ الاء مصطفى	biochemistry	administrator	biochemistry
د \ساره ياس ر	biochemistry	administrator	biochemistry
د \نرمين عبد الحميد	biochemistry	administrator	biochemistry
د \ هينار محمد	biochemistry	administrator	biochemistry
د \ منار محمود	biochemistry	administrator	biochemistry
د \ايمان كامل	biochemistry	administrator	biochemistry
د \ ريم سعي د	biochemistry	administrator	biochemistry
د \ روضه عمر	biochemistry	administrator	biochemistry
د \ رنا وائل	biochemistry	administrator	biochemistry
د\ نوران ع ز	biochemistry	administrator	biochemistry
د \ اسماء عبد الحي	biochemistry	administrator	biochemistry
د\ ايه عبد الحميد	biochemistry	administrator	biochemistry
ا.د: أسماء الحسيني احمد قطاي ا	Histology	professor	Histology
ا.د: رانيا احمد زيدا ن	Histology	professor	Histology
ا.د: هاله علو ي هاشم احمد	Histology	professor	Histology
ا.د: زينب عبد الل جوده يوس ف	Histology	professor	Histology
ا.د \ محمد عبد الرحمن شاهي ن	Histology	professor	Histology
ا.د\ شيماء علي عبدالرحمن محمد	Histology	professor	Histology
ا.م.د\ سارة محمد محمود عبدالعا ل	Histology	Assistant professor	Histology
ا.م.د \ ايمان محمد محمود عسك ر	Histology	Assistant professor	Histology
ا.م.د \ هناء سعيد السيد موس ي	Histology	Assistant professor	Histology
ا.م.د \ كريمة فوزي عبد الفضي ل	Histology	Assistant professor	Histology
ا.م.د \ نهلة السيد إبراهيم بسيوني	Histology	Assistant professor	Histology
ا.م.د \ هبة محمد عبد العزيز عراق ي	Histology	Assistant professor	Histology
ا.م.د \ غادة عبد العزيز السيد السما ك	Histology	Assistant professor	Histology
ا.م.د \ نادية محسن علي ابراهي م	Histology	Assistant professor	Histology
د\ سمر عبد العزيز مصطفي يوس ف	Histology	Assistant professor	Histology
د\ علياء احمد عبد الستار عبدالصاد ق	Histology	lecturer	Histology
د\ سماء محمد حسن ابراهي م	Histology	lecturer	Histology
د\ سمر رمزي محمد عي د	Histology	lecturer	Histology
د\ ايناس جمال عبد الل عبدالفتا ح	Histology	lecturer	Histology
د\ بسنت ثروت عبد الباقي احم د	Histology	lecturer	Histology
د\ سارة علي السيد قندي ل	Histology	lecturer	Histology
د\ ايمان سامي عبد الكريم عل ي	Histology	lecturer	Histology

د\ سمر حسن عبد الحميد سلام ة	Histology	lecturer	Histology
د\ اميرة محمد صابر عبدالمجيد	Histology	lecturer	Histology
د\ منار محمد علي عبدالل	Histology	lecturer	Histology
د\ سلمي سامي علي شلب ي	Histology	lecturer	Histology
د\ هايدي جرجس سلامة عبدالمل ك	Histology	lecturer	Histology
د\ فاطمة موسي الحسيني موس ي	Histology	lecturer	Histology
د\ مريم احمد علي عبد المقصو د	Histology	Assistant lecturer	Histology
د\ ماريان سلامة يوسف سلام ة	Histology	Assistant lecturer	Histology
د\ سمر محمود أسامة لطف ي	Histology	Assistant lecturer	Histology
د\ جهاد مجدي محمد عبد العزيز	Histology	Assistant lecturer	Histology
د\ سوسنة نبيل كما ل مسيح ه	Histology	administrator	Histology
د\ امنية منصور محمد عبدالسلا م	Histology	administrator	Histology
د\ سناء عبد السلام محمد فيص ل	Histology	administrator	Histology
د\ الشيماء محمد احمد عوض الل	Histology	administrator	Histology
د\ خلود مصطفي عزت ابراهيم	Histology	administrator	Histology
د\ اسراء محمد عبد اللطي ف	Histology	administrator	Histology
د\ سارة محمد عبد اللطي ف	Histology	administrator	Histology
د\ اميرة حسن مصطفي	Histology	administrator	Histology
د\ ريم محمد علي عبدالسلا م	Histology	administrator	Histology
د\ علياء ماهر محمد محم د	Histology	administrator	Histology
د\ سارة وائل محمد محمود	Histology	administrator	Histology
د/ اروي خالد محمد محمد	Histology	administrator	Histology
د/ اية إبراهيم محمد عي د	Histology	administrator	Histology
د/ نيرة أبو زيد عبدالعزيز بك ر	Histology	administrator	Histology
د. امل الشحا ت	Anatomy	Professor	Anatomy
أ.د.أميره السم ح	Anatomy	Professor	Anatomy
أ.د.مروة محمو د	Anatomy	Professor	Anatomy
أ.د.سما صلا ح	Anatomy	Professor	Anatomy
أ.د.منال مرس ي	Anatomy	Professor	Anatomy
أ.د.إيمان عبد الغن ي	Anatomy	Professor	Anatomy
د.ابراهيم العزون ى	Anatomy	Assistant professor	Anatomy
أ.د.م.هبه اسامه	Anatomy	Assistant professor	Anatomy
أ.د.م.أمل سليما ن	Anatomy	Assistant professor	Anatomy
أ.د.م.محمد شحات ه	Anatomy	Assistant professor	Anatomy
أ.د.م.مها عبد الرحم ن	Anatomy	Assistant professor	Anatomy
أ.د.م.رانيا سعي د	Anatomy	Assistant professor	Anatomy
أ.د.م.رشا صبرى	Anatomy	Assistant professor	Anatomy
أ.د.م.مروه ثروت	Anatomy	Assistant professor	Anatomy
أ.د.م.إيمان رمضا ن	Anatomy	Assistant professor	Anatomy
أ.د.م.دعاء يوس ف	Anatomy	Assistant professor	Anatomy

أ.د.م.ولاء عبدالحلي م	Anatomy	Assistant professor	Anatomy
أ.د.م.امتثال البستاو ي	Anatomy	Assistant professor	Anatomy
د. علا على عبد الوها ب	Anatomy	Assistant professor	Anatomy
أ.د.م.داليا الوفاني	Anatomy	Assistant professor	Anatomy
أ.د.م.نادية الاباصيري	Anatomy	Assistant professor	Anatomy
أ.د.م.ريهام حلمي	Anatomy	Assistant professor	Anatomy
أ.د.م.انصاف احم د	Anatomy	Assistant professor	Anatomy
أ.د.م.نانسى الحسين ي	Anatomy	Assistant professor	Anatomy
أ.د.م.رانيا حس ن	Anatomy	Assistant professor	Anatomy
أ.د.م.محمد صبر ى	Anatomy	Assistant professor	Anatomy
أ.د.م.نهال بها ء	Anatomy	Assistant professor	Anatomy
أ.د.م.ناصر الصاو ي	Anatomy	Assistant professor	Anatomy
د. سالي سمير	Anatomy	administrator	Anatomy
د.نورا قناو ي	Anatomy	administrator	Anatomy
د.إيمان برعى	Anatomy	administrator	Anatomy
د.رشا عجاجه	Anatomy	administrator	Anatomy
د.أميره فوز ى	Anatomy	administrator	Anatomy
د. اميرة حامد	Anatomy	administrator	Anatomy
د.محمود الخول ي	Anatomy	administrator	Anatomy
د.آلاء فوزى	Anatomy	administrator	Anatomy
د.سمر مرتضي	Anatomy	administrator	Anatomy
د.مروة صبري	Anatomy	administrator	Anatomy
د.ندي سليما ن	Anatomy	administrator	Anatomy
د.مروة محمد	Anatomy	administrator	Anatomy
د.فاطمة اكم ل	Anatomy	administrator	Anatomy
د.ريهام طلعت	Anatomy	administrator	Anatomy
د. نهال عمر	Anatomy	Assistant Lecturer	Anatomy
د. وفاء مصطف ى	Anatomy	Assistant Lecturer	Anatomy
د. جهاد احمد	Anatomy	Assistant Lecturer	Anatomy
د.ايمان محمد كمال الدين الشربيني	Anatomy	Assistant Lecturer	Anatomy
د.غاده محمد محمود	Anatomy	Assistant Lecturer	Anatomy
د.ندي محمد عبدالعزيز	Anatomy	Assistant Lecturer	Anatomy
د. ناهد محمد مصطفي	Anatomy	Assistant Lecturer	Anatomy
د.رئيفه محمد محمود	Anatomy	Assistant Lecturer	Anatomy
د. مريم عاطف لوي س	Anatomy	Assistant Lecturer	Anatomy
د. نسمه عبدالحميد عبدالباقي	Anatomy	Assistant Lecturer	Anatomy
د. اسراء احمد منصور	Anatomy	Assistant Lecturer	Anatomy
د. لمياء شعبان سب ع	Anatomy	Assistant Lecturer	Anatomy
د. منه الل محمد مصطفي	Anatomy	Assistant Lecturer	Anatomy
د. روان محمد السيد	Anatomy	Assistant Lecturer	Anatomy
د. حنان سعيد السيد	Anatomy	Assistant Lecturer	Anatomy
د. ايه احمد عبد المنعم سويدان	Anatomy	Assistant Lecturer	Anatomy

د. فيروز صلاح محم د	Anatomy	Assistant Lecturer	Anatomy
د. نرمين محمد	Anatomy	Assistant Lecturer	Anatomy

Notes:

The specialization of the teaching staff and teaching assistants was well aligned with the course content. The student to staff ratio was approximately 8: 1 reflecting a favorable academic environment that facilitates effective teaching and student engagement. Students were divided into Groups A, B, and C; each group subdivided into 10 subgroups to ensure that group size was appropriate for the nature of the course and to meet students' educational and practical learning needs. Practical revision sessions were conducted to support students' preparation for the practical examinations and to reinforce their laboratory and hands-on skills.

Teaching and Learning					
Number of weeks of actual study	**Total number of theoretical teaching hours (Lectures/.....)**	**Total number of training hours (practical/clinical/...)**	**Total number of field training hours (if any)**	**Total number of self-learning hours (if any)**	**Other (to be mentioned)**
6	**84**	**84**		**102**	

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training	Self-Learning/Others
1st	**Cardiac properties**	45	2		2
	Cardiac cycle		2		1
	ECG			2	1
	Anatomy of mediastinum division and pericardium		2		1
	Anatomy of heart: external features		2	2	2
	Anatomy of heart: Internal features			2	2
	Thoracic wall bone1			2	1
	Anatomy of thoracic wall			2	1
	General characters of blood vessels and histological structure of different types of arteries & veins		2		1
	Histology of heart & smooth muscle		2		1

	Cardiac Fuel		2		2
	Basics of colorimetric assays (spectrophotometer)			2	1
	Cardiac Biomarkers			2	1
2nd	**Cardiac output**	45	2		2
	ECG			3	1
	Arterial Blood pressure regulation		2		2
	Blood supply and surface anatomy of Heart		2		1
	Anatomy of heart: Internal features			2	1
	Anatomy of Thoracic wall and Diaphragm		2		1
	Thoracic wall bone2			2	1
	Phospholipid metabolism		2		1
	Lipoprotein metabolism		2	1	2
	Cholesterol metabolism			2	1
	Lipid profile and cholesterol			2	1
	Applied dyslipidemia			2	1
	General characters of blood vessels		2		2
3rd	**Arrhythmia**			2	1
	Heart rate			2	1
	Heart sound			2	1
	Regulation of diameter of arterioles		2		2
	Venous circulation		2		1
	Capillary circulation and edema		2		1

	Arterial Blood pressure measurement 1	45		2	1
	Anatomy of Mediastinal great vessels		2	2	2
	Anatomy of Head and neck vessels		2		2
	Blood supply of heart and surface anatomy		2		1
	Histology of blood capillaries and lymphatic vessels			2	1
	General characters of blood vessels			2	1

	Fatty acid synthesis		2		2
4th	**Arterial Blood pressure measurement 2**	45		2	2
	Coronary circulation and circulatory disorders (Hemorrhage & Shock)		2		1
	Mechanism of breathing & respiratory pressures			2	2
	Pulmonary function tests and respiratory disorders 1			2	1
	Arterial pulse curve			2	1
	Anatomy of nose and paranasal sinuses		2	1	2
	Anatomy of pharynx and larynx		2		1
	Anatomy of pharynx		2		1
	Anatomy of larynx		2		1
	Thymus and lymph node		2	1	2
	Tonsils and spleen		2	2	2
	Histology of the conducting portion of the respiratory system			2	1
5th	**Venous pulse curve**	45		2	1
	Introduction & Respiratory protective mechanisms & compliance		2		2
	Lung surfactant			2	1
	Pulmonary Function tests and respiratory disorders and dead space.		2	2	2
	Pulmonary diffusion & Gas transport 1 (o2 transport)			2	2
	Gas transport 2 (co2 transport)			2	1
	Regulation of respiration 1		2		1

	Anatomy of pleura		2		1
	Anatomy of lung		2		2

	Anatomy of pharynx and larynx			2	1
	Differentiate between lymphatic organ structure		2		1
	Histology of conducting portion of the respiratory system			2	1
	Histology of respiratory portion of the respiratory system		2		1
6th	**Correlation between histological structure of conducting & respiratory portion**	45		2	1
	Regulation of Respiration 2		2	2	2
	Hypoxia		2		1
	Pulmonary circulation & edema		2		2
	Cyanosis, hypoxia at high altitude and effect of deep-sea diving		2		1
	Obstructive and restrictive lung disease & pulmonary diffusion		2	2	2
	Respiratory buffering and ABG.		2	2	2
	Anatomy of lungs		2	2	3
	Radiological anatomy			2	1
	Histology of respiratory portion			2	2
7th	**Histology revision**	44+1 quiz	2	3	4
	Biochemistry revision		3	1	3
	Physiology revision		5	4	8
	Anatomy revision		3	3	5
8th	**Final exam**	45	E 3	E 2	40

Notes (if any) on:

The teaching staff carefully delivered the course contents to ensure proper alignment between the theoretical and practical content and the allocated number of teaching weeks. Consequently, all topics specified in the course specification were successfully covered within the scheduled timeframe. Furthermore, all teaching and learning strategies outlined in the course specification, particularly active learning approaches, were effectively implemented to enhance students' learning experience and support the achievement of the intended learning outcomes. This contributed to improving students' academic performance and overall educational development

Method of Assessment *	**Date**	**Marks**	**Type and number of questions**	**Measured Module Learning Outcomes** (Mention the text)

Quiz	**4/7/2026**	**36**	**36 SBA**	**CPM 1.8.3**: Apply physiological principles of the cardiovascular system to common clinical scenarios .

				CPM 1.8.5: Apply biochemical knowledge relevant to lipid metabolism in common cardiovascular clinical scenarios.regulation. **CPM 4.1.1:** Describe the anatomy of the thoracic wall, mediastinum, diaphragm, heart, and great vessels. **CPM 4.1.4:** Differentiate the microscopic features of arteries, veins, capillaries, and lymphatic vessels. **CPM 4.1.7:** Explain the physiological properties and functions of the heart**.**
Final Written	**5/7/2026**	**72**	**11 SEQ** **36 SBA**	**CPM 1.8.1**: Apply anatomical knowledge of the cardiovascular system in common clinical scenarios. **CPM 1.8.2**: Apply anatomical knowledge of the respiratory system in common clinical scenarios. **CPM 1.8.3:** Apply physiological principles of the cardiovascular system to common clinical scenarios. **CPM 1.8.4:** Apply physiological principles of the respiratory system to common clinical scenarios. **CPM 1.8.5:** Apply biochemical knowledge relevant to lipid metabolism in common cardiovascular clinical scenarios. **CPM 4.1.1**: Describe the anatomy of the thoracic wall, mediastinum, diaphragm, heart, and great vessels. **CPM 4.1.2**: Describe the anatomy of the upper and lower respiratory tracts. **CPM 4.1.3**: Describe the histological structure of the heart, blood vessels, and lymphoid organs. **CPM 4.1.4**: Differentiate the microscopic features of arteries, veins, capillaries, and lymphatic vessels. **CPM 4.1.5**: Differentiate the microscopic features of the upper and lower respiratory tracts. **CPM 4.1.6** : Correlate the anatomical structures of the upper and lower respiratory tracts (locations, components, and functional roles) with relevant radiological imaging **CPM 4.1.7**: Explain the physiological properties and functions of the heart. **CPM 4.1.8**: Explain the physiological mechanisms regulating arterial blood pressure. **CPM 4.1.9**: Explain the mechanisms of breathing, pulmonary ventilation, pulmonary circulation, and pulmonary function. **CPM 4.2.1**: Explain fatty acid oxidation, ketogenesis, .ketolysis, ketosis, and their regulation.

OSPE/OSCE	**7, 8,9 /7 /2026**	**54**	**54 SBA**	**CPM 4.8.1**: Identify the bones of the thoracic cage and their anatomical features on osteological specimens. **CPM 4.8.2**: Identify the normal anatomical structures of the heart, great vessels, thoracic cavity, and respiratory system on anatomical specimens and radiographic images. **CPM 4.8.3**: Identify the microscopic features of the cardiovascular and respiratory systems using histological slides. **CPM 4.84**: Interpret electrocardiographic (ECG) recordings and pulmonary function test results. **CPM 4.8.5**: Measure arterial blood pressure using the standard clinical technique.

				CPM 4.8.6: Interpret the results of laboratory tests related to lipid metabolism.
Assignment	Click or tap to enter a date.	**3**	**Diagram of Hassel corpuscle Diagram of VLDL synthesis**	**CPM 4.1.3**: Describe the histological structure of the heart, blood vessels, and lymphoid organs. **CPM 4.2.1**: Explain fatty acid oxidation, ketogenesis, .ketolysis, ketosis, and their regulation.
Formative assessment	20/2/26	**zero**	**60 SBA**	**CPM 4.1.7:** Explain the physiological properties and functions of the heart**.** **CPM 4.1.3**: Describe the histological structure of the heart, blood vessels, and lymphoid organs. **CPM 4.2.1**: Explain fatty acid oxidation, ketogenesis, ketolysis, ketosis, and their regulation. **CPM 4.1.1:** Describe the anatomy of the thoracic wall, mediastinum, diaphragm, heart, and great vessels.
	4/3/2026	**Zero**	**38 SBA**	**CPM 4.1.7**: Explain the physiological properties and functions of the heart. **CPM 4.1.8**: Explain the physiological mechanisms regulating arterial blood pressure. **CPM 4.1.3**: Describe the histological structure of the heart, blood vessels, and lymphoid organs. **CPM 4.1.4**: Differentiate the microscopic features of arteries, veins, capillaries, and lymphatic vessels. **CPM 4.1.1:** Describe the anatomy of the thoracic wall, mediastinum, diaphragm, heart, and great vessels. **CPM 4.2.1**: Explain fatty acid oxidation, ketogenesis, ketolysis, ketosis, and their regulation.
	19/3/2026	**Zero**		**CPM 1.8.2**: Apply anatomical knowledge of the respiratory system in common clinical scenarios. **CPM 4.2.1**: Explain fatty acid oxidation, ketogenesis, ketolysis, ketosis, and their regulation. .

TBL	**9/3/2026**	**11**	**11 SBA IRAT 7 SBA TRAT 4 SBA**	**CPM 4.1.7:** Explain the physiological properties and functions of the heart**.** **CPM 1.8.4:** Apply physiological principles of the respiratory system to common clinical scenarios. **CPM 1.8.5:** Apply biochemical knowledge relevant to lipid metabolism in common cardiovascular clinical scenarios **CPM 4.1.6** : Correlate the anatomical structures of the upper and lower respiratory tracts (locations, components, and functional roles) with relevant radiological imaging
Flipped Sessions	**11/3/2026**	**zero**	**5 SBA 4 complete 4 SEQ**	**CPM 4.1.9**: Explain the mechanisms of breathing, pulmonary ventilation, pulmonary circulation, and pulmonary function.
Portfolio		**4**	**Documentation of required learning activities and**	**CPM 4.1.7:** Explain the physiological properties and functions of the heart**.** - Identify cardiac output and its regulation
			achievements according to the approved portifolio rubric.	**CPM 4.1.9**: Explain the mechanisms of breathing, pulmonary ventilation, pulmonary circulation, and pulmonary function. **CPM 4.1.1:** Describe the anatomy of the thoracic wall, mediastinum, diaphragm, heart, and great vessels.

The methods mentioned are examples the institution may add and delete depending on the nature of the course

- The assessment process was conducted in accordance with the Credit Point Bylaw (2023) and the Faculty of Medicine assessment policies.

A variety of assessment methods were used, including quizzes, final written examinations, OSPE, assignments, formative assessments, Team-Based Learning (TBL) activities, and portfolio assessment to evaluate students' achievement of the module learning outcomes.Using of different types of assessment methods give students the chance to practice different types of exam questions and make them a familiar with them.

,Student Assessment Results	
Number of students (who started the module):	**2349**
Number of students (who completed the module/ sat for the exam):	**1719**
Number of students who did not attend the final written exam (absent - deprived - withdrawn):	**630**
Total number of students who passed the exams successfully:	**1128**

Percentage of success (out of the total number of students who sat for the final exam)			**66%**			
Grade Distribution						
Grade	**A**	**B**	**C**	**D**	**F**	**F-**
Number of students	**369**	**224**	**235**	**300**		
Percentage	**21.46%**	**%13**	**13.6%**	**17.45%**		
Total number of students who failed the exams:			**591**			
Percentage of failure (for the total number of students who took the final exam)			**34.39%**			

انخفض متوسط نسبة النجاح إلى 66% مقارنة بـ 2.73% في العام السابق. وقد يُعزى هذا الانخفاض جزئيًا إلى وجود عدد من الطلاب الممتدين/المعيدين من العام الأكاديمي السابق، نتيجة عدم استيفائهم متطلبات الانتقال وفقًا للائحة النقاط الدراسية، مما قد يكون قد انعكس على إجمالي نسب النجاح. كما قد يرتبط الانخفاض بتفاوت مستويات الطلاب وصعوبة بعض المقررات أو متطلبات التقييم خلال العام.

3. Student Feedback

Item	Comment
Means of Evaluation:	student satisfaction Questionnaire and portfolio
Timing of Evaluation:	Portfolio at the end of the module student satisfaction Questionnaire at the end of the semester
Number of students who participated in the course evaluation	633 in student satisfaction Questionnaire 1950 in portfolio
Percentage of participants to the total number	85%
Important points of satisfaction	1. Practical-based learning activities. 2. Portfolio application and reflective learning. 3. Organized teaching schedule. Good integration between theory and practice.
Important points of dissatisfaction	Offer more detailed supporting learning resources.

Module development plan for the next academic semester/year

(considering the student assessment results as well as the student feedback and instructors' reflection)

No.	Points that need development or improvement	Corrective/ Improvement Actions	Methods of implementation	Responsible	notes
1.	Improve learning resources and online content	Expand uploading of digital materials, recorded lectures, and blended learning resources	Use Microsoft Teams to provide updated materials and e-learning resources	Teaching Staff, Department Administration	
2.	Screening for lagging students	Increase number of meetings of academic advising	Continuous and regular meeting with the academic advisors	academic advising unit and teaching staff	

Name and Signature

Module Coordinator

Name and Signature

Head of the department council

Module Report

Academic Year:2025\2026 Semester: …S1…

1. Basic Information

Module Title (according to the bylaw):	**Musculoskeletal &Integumentary**
Module Code (according to the bylaw):	**MED 104**
Department/s that participated in the teaching:	**(Anatomy- Physiology- Histology)**
Total number of credit hours/points of the course:	**) CP12(**
Module Type:	**Compulsory اجبار ي**
The level to which the course was introduced:	**S1**
Academic Program:	**Bachelor of Medicine and Surgery (MBBCH)**
Faculty/Institute:	**Faculty of Medicine**
University/Academy:	**Zagazig university**
Name of Module Coordinator:	**د\نهال محمد محمد عم ر**
Date of approval of the course report	**17/3/2026**

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		Number of Teaching Assistants	
Full-time Faculty of Medicine, (at least 4 working days)	Part-time (1 or 2 days)	Full-time (at least 4 working days)	Part-time (1 or 2 days)
Zagazig University 90 Bachelor of Medicine & Surgery - -----		82	

Instructor Name	Department	Academic degree	Specialty
ا د \أمل الشحات إبراهيم الشحات	Anatomy	Professor	Anatomy
ا د \اميرة إبراهيم محمد محمد حسن السمح	Anatomy	Professor	Anatomy
ا د \سماء صلاح عبد الفتاح علي	Anatomy	Professor	Anatomy
ا د\ ايمان عبد الغني	Anatomy	Professor	Anatomy
ا د \ابراهيم حسن إبراهيم علي	Anatomy	Assistant professor	Anatomy
ا د \هبة أسامة محمد حلمي	Anatomy	Assistant professor	Anatomy
ا د \مها محمد احمد عبد الرحمن	Anatomy	Assistant professor	Anatomy
ا د\امل سليمان سويلم السيد	Anatomy	Assistant professor	Anatomy
ا د\محمد احمد شحاتة امين	Anatomy	Assistant professor	Anatomy
ا د\رانيا سعيد معوض على	Anatomy	Assistant professor	Anatomy
د\ناديه الاباصيري السيد احمد	Anatomy	Assistant professor	Anatomy
د\ناصر احمد محمود الصاوي	Anatomy	Assistant professor	Anatomy
د\رشا محمد صبري حسين	Anatomy	Assistant professor	Anatomy
د\سالي سمير منير لطف الله سليمان	Anatomy	Lecturer	Anatomy
د\إنصاف أحمد عبدالحميد إبراهيم	Anatomy	Assistant professor	Anatomy
د\دعاء محمد يوسف عبد الحميد	Anatomy	Assistant professor	Anatomy
د\ايمان رمضان عبد الفتاح ابراهيم	Anatomy	Assistant professor	Anatomy
د\مروة ثروت عبد الفتاح محمد	Anatomy	Assistant professor	Anatomy
د\ريهام حلمي عبد الكريم علي محمد	Anatomy	Assistant professor	Anatomy
د\نورا محمد قناوي احمد	Anatomy	Lecturer	Anatomy
د\آيات محمود إبراهيم سالم الدموكي	Anatomy	Assistant professor	Anatomy
د\امتثال ممدوح محمد حامد البستاوى	Anatomy	Assistant professor	Anatomy
د\رشا احمد احمد عجاجه	Anatomy	Lecturer	Anatomy

د\ولاء عبد الحليم رشاد عبد الحليم	Anatomy	Assistant professor	Anatomy
د\نانسي حسيني حسن حسين	Anatomy	Assistant professor	Anatomy
د\نهال احمد بهاء الدين السيد	Anatomy	Assistant professor	Anatomy
د\إيمان برعي محمد حسن	Anatomy	Lecturer	Anatomy
د\أميرة فوزى عبدالعال أحمد	Anatomy	Lecturer	Anatomy
د\اميرة حامد محمد سليمان	Anatomy	Lecturer	Anatomy
د\محمود رمضان عبدالحميد حسن الخولى	Anatomy	Lecturer	Anatomy

د\الاء فوزى عبد العال احمد	Anatomy	Lecturer	Anatomy
د\سمر مرتضى محمود محمد	Anatomy	Lecturer	Anatomy
د\مروة صبرى عبدالعال مجاهد	Anatomy	Lecturer	Anatomy
د\ندى محمد محمد سليمان البمباوى	Anatomy	Lecturer	Anatomy
د\مروه محمد محمود عبد الفتاح	Anatomy	Lecturer	Anatomy
د\اسماء مهدى كامل مهدى	Anatomy	Lecturer	Anatomy
د\سعاد محمد سعد محمد البغدادى	Anatomy	Assistant lecturer	Anatomy
د\ناهد محمد مصطفى علوان حرموش	Anatomy	Assistant lecturer	Anatomy
د\غادة محمود محمد ابراهيم	Anatomy	Assistant lecturer	Anatomy
د\إيمان محمد كمال الدين الشربيني	Anatomy	Assistant lecturer	Anatomy
د\ندى محمد عبدالعزيز محمد	Anatomy	Assistant lecturer	Anatomy
د\إسراء ناجى عبدالحميد إبراهيم	Anatomy	administrator	Anatomy
د\إسراء أحمد عبدالمنعم محمد علي	Anatomy	Assistant lecturer	Anatomy
د\رئيفة محمود محمد محمود	Anatomy	Assistant lecturer	Anatomy
د\فاطمة الزهراء فتحى السيد نجم	Anatomy	Assistant lecturer	Anatomy
د\مريم عاطف	Anatomy	administrator	Anatomy
د\نيفين عبد الوهاب	Anatomy	administrator	Anatomy
د\نسمة عبد الحميد	Anatomy	administrator	Anatomy
د\المياء شعبان	Anatomy	administrator	Anatomy
د\سعاد فتحي	Anatomy	administrator	Anatomy
د\ياسمين فتحي	Anatomy	administrator	Anatomy
د\نهير مهدي	Anatomy	administrator	Anatomy
د\آية سويدان	Anatomy	administrator	Anatomy
د\أميرة عبد الله	Anatomy	administrator	Anatomy
د\اسراء منصور	Anatomy	administrator	Anatomy

ا.د\ شيرين العربي	physiology	Professor	physiology
ا.د\ اكمل حسن	physiology	Professor	physiology
ا.د\محمد عبدالحميد	physiology	Professor	physiology
ا.د\ صلاح زغلول	physiology	Professor	physiology
ا.د\ عبير البيومي	physiology	Professor	physiology

ا.د\ نوال خليل	physiology	Professor	physiology
ا.د\ مي محمد	physiology	Professor	physiology
ا.د\ راندا صلاح	physiology	Professor	physiology
ا.د\ خالد ابوالفضل	physiology	Professor	physiology
ا.د\ مها عبدالحميد	physiology	Professor	physiology
أ.د\ نانيس	physiology	Professor	physiology
ا.م.د\ عبير سعيد	physiology	Assistant professor	physiology
ا.م.د\ رضوي محمود	physiology	Assistant professor	physiology
ا.م.د\ وسام	physiology	Assistant professor	physiology
ا.م.د\ ريهام وحيد	physiology	Assistant professor	physiology
ا.م.د\ شيرين فتحي	physiology	Assistant professor	physiology
ا.م.د\ شيماء هدهود	physiology	Assistant professor	physiology
د\ هديل	physiology	Lecturer	physiology
د\ ايمان عبدالرؤوف	physiology	Lecturer	physiology
د\ سارة جمال	physiology	Lecturer	physiology
د\اميرة مختار	physiology	Lecturer	physiology
د\ نهال ابراهيم	physiology	Lecturer	physiology
د\هبة صلاح	physiology	Lecturer	physiology
د\ مني طارق	physiology	Lecturer	physiology
د\ ايناس ابراهيم	physiology	Assistant lecturer	physiology
د\ فاتن خضري	physiology	Assistant lecturer	physiology
د\ياسمين اكمل	physiology	Assistant lecturer	physiology
د\امل ابراهيم	physiology	Assistant lecturer	physiology
د\مريم نصر	physiology	Assistant lecturer	physiology
د\شيماء علي	Physiology	Assistant lecturer	Physiology

د\ندي علاء	Physiology	Assistant lecturer	Physiology
د\هبة عصام	Physiology	Assistant lecturer	Physiology
د\اية الشيخ	Physiology	Assistant lecturer	Physiology
د/اية زيد	Physiology	Assistant lecturer	Physiology
د\ سارة احمد	Physiology	administrator	Physiology

د\ندي الشاذلي	Physiology	administrator	Physiology
د\ ايه المقدم	physiology	administrator	physiology
د\فاطمة عبده	physiology	administrator	physiology
د\اسماء جودة	physiology	administrator	physiology
د\ مي احمد	physiology	administrator	physiology
د\ اسراء رجب	physiology	administrator	physiology
د\ايمان ممدوح	physiology	administrator	physiology
د\ضحي خليل	physiology	administrator	physiology
د\سارة طارق	physiology	administrator	physiology
د\ نورهان حسني	physiology	administrator	physiology
د\اسماء عبدالمنعم	physiology	administrator	physiology
د\ افنان	physiology	administrator	physiology
د\سنية شفيق	physiology	administrator	physiology
د\ ندي عبد المجيد	physiology	administrator	physiology
د\منة محمد عبد الحميد	physiology	administrator	physiology
د/خلود عاطف	physiology	administrator	physiology
د/أروي أشرف	physiology	administrator	physiology
ا.د: أسماء الحسيني احمد قطايا	Histology	Professor	Histology
ا.د: رانيا احمد زيدان	Histology	Professor	Histology
ا.د: هاله علوي هاشم احمد	Histology	Professor	Histology

ا.د: زينب عبدالله جوده يوسف	Histology	Professor	Histology
ا.د\ محمد عبد الرحمن شاهين	Histology	Professor	Histology
ا.د\ شيماء علي عبدالرحمن محمد	Histology	Professor	Histology
ا.م.د\ سارة محمد محمود عبدالعال	Histology	Assistant professor	Histology
ا.م.د\ ايمان محمد محمود عسكر	Histology	Assistant professor	Histology
ا.م.د\ هناء سعيد السيد موسي	Histology	Assistant professor	Histology
ا.م.د\ كريمة فوزي عبد الفضيل	Histology	Assistant professor	Histology
ا.م.د\ نهلة السيد إبراهيم بسيوني	Histology	Assistant professor	Histology
ا.م.د\ هبة محمد عبد العزيز عراقي	Histology	Assistant professor	Histology
ا.م.د\ غادة عبد العزيز السيد السماك	Histology	Assistant professor	Histology

ا.م.د\ نادية محسن علي ابراهيم	Histology	Assistant professor	Histology
د\ سمر عبد العزيز مصطفي يوسف	Histology	Assistant professor	Histology
د\ علياء احمد عبد الستار عبدالصادق	Histology	Lecturer	Histology
د\ سماء محمد حسن ابراهيم	Histology	Lecturer	Histology
د\ سمر رمزي محمد عيد	Histology	Lecturer	Histology
د\ ايناس جمال عبد الله عبدالفتاح	Histology	Lecturer	Histology
د\ بسنت ثروت عبد الباقي احمد	Histology	Lecturer	Histology
د\ سارة علي السيد قنديل	Histology	Lecturer	Histology
د\ ايمان سامي عبد الكريم علي	Histology	Lecturer	Histology
د\ سمر حسن عبد الحميد سلامة	Histology	Lecturer	Histology
د\ اميرة محمد صابر عبدالمجيد	Histology	Lecturer	Histology
د\ منار محمد علي عبدالله	Histology	Lecturer	Histology
د\ سلمي سامي علي شلبي	Histology	Lecturer	Histology
د\ هايدي جرجس سلامة عبدالملك	Histology	Lecturer	Histology
د\ فاطمة موسي الحسيني موسي	Histology	lecturer	Histology

د\ مريم احمد علي عبد المقصود	Histology	Assistant lecturer	Histology
د\ ماريان سلامة يوسف سلامة	Histology	Assistant lecturer	Histology
د\ سمر محمود أسامة لطفي	Histology	Assistant lecturer	Histology
د\ جهاد مجدي محمد عبد العزيز	Histology	Assistant lecturer	Histology
د\ سوسنة نبيل كمال مسيحه	Histology	administrator	Histology
د\ امنية منصور محمد عبدالسلام	Histology	administrator	Histology
د\ سناء عبد السلام محمد فيصل	Histology	administrator	Histology
د\ الشيماء محمد احمد عوض الله	Histology	administrator	Histology
د\ خلود مصطفي عزت ابراهيم	Histology	administrator	Histology
د\ اسراء محمد عبد اللطيف	Histology	administrator	Histology
د\ سارة محمد عبد اللطيف	Histology	administrator	Histology
د\ اميرة حسن مصطفي	Histology	administrator	Histology
د\ ريم محمد علي عبدالسلام	Histology	administrator	Histology
د\ علياء ماهر محمد محمد	Histology	administrator	Histology
د\ سارة وائل محمد محمود	Histology	administrator	Histology
د/ اروي خالد محمد محمد	Histology	administrator	Histology
د/ اية إبراهيم محمد عيد	Histology	administrator	Histology
د/ نيرة أبو زيد عبدالعزيز بكر	Histology	administrator	Histology

Notes (if any):

1- **1.** The specialization of the teaching staff and teaching assistants was well aligned with the course content. The student to staff ratio was approximately 12:1 reflecting a favorable academic environment that facilitates effective teaching and student engagement
2- Practical teaching sessions were assigned to the course teaching assistants based on their competence, experience, and strong background in delivering practical instruction to students.
3- Students were divided into Groups A, B, and C and each group subdivided into 8-10 subgroups to ensure that group size was appropriate for the nature of the course and to meet students' educational and practical learning needs. This arrangement facilitated the effective implementation of active teaching and learning strategies and enhanced student engagement during practical sessions**.**

•تم مواءمة تخصص أعضاء هيئة التدريس والهيئة المعاونة مع محتوى المقرر بما يتماشى مع معايير الجودة والاعتماد الأكاديمي. وبلغت نسبة الطلاب إلى أعضاء هيئة التدريس حوالي **1:12**، وهو ما يعُد ضمن النسب الموصى بها وفق معايير ضمان الجودة، مما يعكس بيئة تعليمية مواتية تسهم في تحقيق التدريس الفعال وتعزيز تفاعل الطلاب.

•تم إسناد الجلسات التعليمية العملية إلى أعضاء الهيئة المعاونة بالمقرر، وذلك بناءً على كفاءتهم وخبراتهم وخلفيتهم القوية في تقديم التعليم والتدريب العملي للطلاب.

•تم تقسيم الطلاب إلى **المجموعات A وB وC**، مع تقسيم كل مجموعة إلى **8–10مجموعات فرعية**، وذلك لضمان ملاءمة حجم المجموعات لطبيعة المقرر وتلبية الاحتياجات التعليمية والعملية للطلاب. وقد ساهم هذا التنظيم في التطبيق الفعال لاستراتيجيات التع ليم والتعلم النشط، وتعزيز مشاركة الطلاب وتفاعلهم أثناء الجلسات العملية.

Teaching and Learning					
Number of weeks of actual study	**Total number of theoretical teaching hours (Lectures/.....)**	**Total number of training hours (practical/clinical/...)**	**Total number of field training hours (if any)**	**Total number of self-learning hours (if any)**	**Other (to be mentioned)**
7 weeks	**96**	**96**		**122**	

Week #	**Module Topics**	**Total Weekly Hours**	**Expected Teaching and Learning Hours**		
			Theoretical	**Clinical/Practical Training**	**Self-Learning/Others**
1st	**- Anatomy of Pectoral region**	45	2	2	2
	- Anatomy of Axilla		2	3	3
	Anatomy of Shoulder region		3	3	2
	•Ca homeostasis		2	2	2
	Nerve excitability		1	0	2
	Resting membrane potential		2	2	2
	Histology of cartilage		2	2	2
2nd	**Histology of bone**	45	2	2	2
	Anatomy of muscle of back		2	2	2
	Anatomy of shoulder region		2	2	2

	Ionic basis of Action potential		1	2	3
	Anatomy of Muscles of back		2	2	2
	Anatomy of arm		3	2	4
	Anatomy of cubital fossa		2	2	2
3rd	**Synaptic transmission**	45	2	2	2
	Anatomy of anterior forearm		2	2	2
	Anatomy of posterior forearm		2	2	2
	Histology of classification of bone		2	2	2
	Ionic basis of Action potential + excitability changes		1	2	2
	Vessels of forearm		2		2
	Nerves of upper limb		2	2	2
	Injuries of nerves of upper limb		1	0	1
	Neuromuscular transmission		0	2	2
4th	**Anatomy of hand**	45	2	2	2
	Types of action potential + subthreshold stimulus		2	0	2
	Joints of upper limb		2	0	2
	Nerve conduction		1	0	1
	Bone ossification		2	2	2
	Anatomy of Front of the thigh		0	2	1
	Anatomy of Back of the thigh		0	2	2
	Anatomy of Femoral triangle		2	0	1
	Anatomy of Medial compartment+ adductor canal		1	2	2
	Physiology of muscle protein		2	2	2
5th	**Histology of muscle**	45	2	2	2
	Histology of muscle innervation		2	2	2
	Anatomy of Gluteal region		2	2	2
	Anatomy of Front + lateral of the thigh		2	2	2
	Mechanism of muscle contraction and relaxation		2	0	3
	Summation of muscle contraction		2	2	2
	Anatomy of front and lateral of leg		0	2	2
	Anatomy of back of the leg		2	2	2
6th	**Nerves of lower limb**	45	2	0	2

	Histology of skin		2	2	1
	Anatomy of foot			2	2
	Joints of lower limb		3	0	2
	Simple muscle twitch and EMG		1	2	2
	Histology of skin appendages		2	2	2
	Smooth muscle		2	0	1
	Blood vessels of lower limb		0	2	2
	Electrical activity of cardiac and skeletal muscle		2	2	2
	Physiology of skin			2	1
7th	**Histology revision**	44+1 Quiz 45	3	3	5
	Physiology revision		3	3	5
	Anatomy revision		6	6	10
8th	**Final exam**	45	3E	2 E	40

Notes
The teaching staff carefully delivered the course contents to ensure proper alignment between the theoretical and practical content and the allocated number of teaching weeks. Consequently, all topics specified in the course specification were successfully covered within the scheduled timeframe. Furthermore, all teaching and learning strategies outlined in the course specification, particularly active learning approaches, were effectively implemented to enhance students' learning experience and support the achievement of the intended learning outcomes. This contributed to improving students' academic ...performance and overall educational development

Student Assessment Methods that have been Implemented				
Method of Assessment *	**Date**	**Marks**	**Type and number of questions**	**Measured Module Learning Outcomes (Mention the text)**

Quiz	**2\12\18 025**	**36**	**36 Single Best Answer (SBA)**	**MSK 1.8.1:** Apply anatomical knowledge of the pectoral, axillary, shoulder, and scapular regions in the analysis of common clinical scenarios. **MSK 1.8.2:** Apply anatomical knowledge of the muscles and joints of the upper limb, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.4**: Apply physiological principles of nerve impulse transmission and skeletal muscle function to common clinical scenarios. **MSK 4.1.1**: Describe the gross anatomy of the pectoral, axillary, shoulder, and scapular regions, including their muscles, joints, blood supply, and innervation. **MSK 4.1.3**: Describe the microscopic structure of bone, cartilage, skeletal muscle, and relate their structure to normal function. **MSK 4.2.2:** Explain the physiological basis of nerve excitability, action potentials, and synaptic transmission **MSK 4.2.3**: Explain the physiological mechanisms underlying the normal functions of the musculoskeletal and integumentary systems.
Final Written	**27\12\2025**	**72**	**2 MEQ+ 9SEQ+36 SBA**	**MSK 1.8.1:** Apply anatomical knowledge of the pectoral, axillary, shoulder, and scapular regions in the analysis of common clinical scenarios.

				MSK 1.8.2: Apply anatomical knowledge of the muscles and joints of the upper limb, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.3:** Apply anatomical knowledge of the gluteal region and lower limb muscles and joints, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.4:** Apply physiological principles of nerve impulse transmission and skeletal muscle function to common clinical scenarios. **MSK 2.3.1:** Discuss the role of physical activity in maintaining normal musculoskeletal function **MSK 4.1.1:** Describe the gross anatomy of the pectoral, axillary, shoulder, and scapular regions, including their muscles, joints, blood supply, and innervation**.** **MSK 4.1.2.:** Describe the gross anatomy of the gluteal region and lower limb, including their muscles, joints, blood supply, and innervation. **MSK 4.1.3:** Describe the microscopic structure of bone, cartilage, skeletal muscle, and relate their structure to normal function. **MSK 4.1.4:** Differentiate among the types of skin and their appendages and relate their microscopic structure to normal function. **MSK 4.2.1:** Explain the physiological properties of skeletal muscle, including the mechanisms of muscle contraction. **MSK 4.2.2:** Explain the physiological basis of nerve excitability, action potential, and synaptic transmission **MSK 4.2.3:** Explain the physiological mechanisms underlying the normal functions of the musculoskeletal and integumentary systems.
OSPE	**20\12\2925**	**54**	**54 questions**	**MSK 4. 8.1:** Identify normal anatomical structures on cadaveric specimens, anatomical models, and medical images. **MSK 4.8.2:** Identify the microscopic features of the musculoskeletal and integumentary systems using histological slides and digital microscopy**.** **MSK 4.8.3:** Interpret normal physiological recordings and laboratory findings related to nerve and skeletal muscle function.
Assignment	**20\12\1025**	**4**	**Anatomy draw with data**	**MSK 1.8.3:** Apply anatomical knowledge of the gluteal region and lower limb muscles and joints, including their blood supply and innervation, in common clinical scenarios **MSK 4.1.2.:** Describe the gross anatomy of the gluteal region and lower limb, including their muscles, joints, blood supply, and innervation.
Formative	**20\11\2025**	**zero**	**1st Formative assessment (**	

assessment	**202\12\45**		**30 SBA)**	**MSK 1.8.1:** Apply anatomical knowledge of the pectoral, axillary, shoulder, and scapular regions in the analysis of common clinical scenarios.

	20\12\1425		**2nd formative assessment 3rd formative assessment**	**MSK 1.8.2:** Apply anatomical knowledge of the muscles and joints of the upper limb, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.3:** Apply anatomical knowledge of the gluteal region and lower limb muscles and joints, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.4:** Apply physiological principles of nerve impulse transmission and skeletal muscle function to common clinical scenarios. **MSK 2.3.1:** Discuss the role of physical activity in maintaining normal musculoskeletal function **MSK 4.1.1:** Describe the gross anatomy of the pectoral, axillary, shoulder, and scapular regions, including their muscles, joints, blood supply, and innervation**.** **MSK 4.1.2.:** Describe the gross anatomy of the gluteal region and lower limb, including their muscles, joints, blood supply, and innervation. **MSK 4.1.3:** Describe the microscopic structure of bone, cartilage, skeletal muscle, and relate their structure to normal function. **MSK 4.1.4:** Differentiate among the types of skin and their appendages and relate their microscopic structure to normal function. **MSK 4.2.1:** Explain the physiological properties of skeletal muscle, including the mechanisms of muscle contraction. **MSK 4.2.2:** Explain the physiological basis of nerve excitability, action potential, and synaptic transmission **MSK 4.2.3:** Explain the physiological mechanisms underlying the normal functions of the musculoskeletal and integumentary systems.
TBL	**202\12\15**	**9**	- Individual readiness assurance test (**Irat**): 8 SBA Questions - Team application scenario-Based (**Taap**): 4 SBA questions	**MSK 1.8.1:** Apply anatomical knowledge of the pectoral, axillary, shoulder, and scapular regions in the analysis of common clinical scenarios **MSK 4.1.3:** Describe the microscopic structure of bone, cartilage, skeletal muscle, and relate their structure to normal function. **MSK 4.2.2:** Explain the physiological basis of nerve excitability, action potential, and synaptic transmission

Portfolio	**20\12\3025**	**5**	**Documentation of required learning activities and achievements according to the approved portfolio rubric**	**MSK 1.8.1:** Apply anatomical knowledge of the pectoral, axillary, shoulder, and scapular regions in the analysis of common clinical scenarios. **MSK 1.8.2:** Apply anatomical knowledge of the muscles and joints of the upper limb, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.3:** Apply anatomical knowledge of the gluteal region and lower limb muscles and joints, including their blood supply and innervation, in common clinical scenarios. **MSK 1.8.4:** Apply physiological principles of nerve impulse transmission and skeletal muscle function to common clinical scenarios. **MSK 2.3.1:** Discuss the role of physical activity in maintaining normal musculoskeletal function

				MSK 4.1.1: Describe the gross anatomy of the pectoral, axillary, shoulder, and scapular regions, including their muscles, joints, blood supply, and innervation**.** **MSK 4.1.2.:** Describe the gross anatomy of the gluteal region and lower limb, including their muscles, joints, blood supply, and innervation. **MSK 4.1.3:** Describe the microscopic structure of bone, cartilage, skeletal muscle, and relate their structure to normal function. **MSK 4.1.4:** Differentiate among the types of skin and their appendages and relate their microscopic structure to normal function. **MSK 4.2.1:** Explain the physiological properties of skeletal muscle, including the mechanisms of muscle contraction. **MSK 4.2.2:** Explain the physiological basis of nerve excitability, action potential, and synaptic transmission **MSK 4.2.3:** Explain the physiological mechanisms underlying the normal functions of the musculoskeletal and integumentary systems

*** The methods mentioned are examples the institution may add and delete depending on the nature of the course**

1. The assessment process was conducted in accordance with the Credit Point Bylaw (2023) and the Faculty of Medicine assessment policies.

2. A variety of assessment methods were used, including quizzes, final written examinations, OSPE, assignments, formative assessments, Team-Based Learning (TBL) activities, and portfolio assessment to evaluate students' achievement of the module learning outcomes.

Student Assessment Results	
Number of students (who started the module):	**1965**
Number of students (who completed the module/ sat for the exam):	**1658**
Number of students who did not attend the final written exam (absent - deprived - withdrawn):	**307 (absent)**
Total number of students who passed the exams successfully:	**1011**
Percentage of success (out of the total number of students who sat for the final exam)	**60.98%**

Grade Distribution						
Grade	**A**	**B**	**C**	**D**	**F**	**F-**
Number of students	**364**	**230**	**227**	**190**	**647**	
Percentage	**21.95 %**	**13.87%**	**13.69 %**	**11%**	**39%**	
Total number of students who failed the exams:	**647**					
Percentage of failure (for the total number of students who took the final exam)	**39%**					

The number of students who attended the Musculoskeletal &Integumentary module exam represents approximately 84.37 % of the total number of students enrolled in the First Academic Year, rather than the entire cohort.

comparison of Module Results (2024–2025 vs. 2025–2026)

Indicator	2024–2025	2025–2026	Change
Failed students	868	647	Decreased
Success rate	57.56%	61.0%	**+3.44%**
Failure rate	42.44%	39.0%	**−3.44%**
Highest grade (A/Excellent)	17.8% of examinees	21.95% of examinees	Improved

The 2025–2026 results show a moderate improvement in academic performance compared with 2024–2025. The pass rate increased and the failure rate declined, while the proportion of students achieving the highest grade also improved. These findings suggest enhanced student attainment and learning outcomes. However, the failure rate of 39% remains relatively high and should continue to be monitored through ongoing review of teaching strategies, assessment methods, and student support mechanisms.

3. Student Feedback

Item	Comment
Means of Evaluation:	Student Satisfaction Questionnaire
Timing of Evaluation:	At the end of the semester
Number of students who participated in the course evaluation	756
Important points of satisfaction	1. Interactive teaching methods and practical sessions were positively evaluated. 2. The learning environment and communication with staff were generally perceived positively.

Item	Comment
Important points of dissatisfaction	1. Expand online educational resources and blended learning approaches. 2. Continue encouraging interactive teaching and student participation.

Module development plan for the next academic semester/year

(considering the student assessment results as well as the student feedback and instructors' reflection)

No.	Points that need development or improvement	Corrective/ Improvement Actions	Method of implementation	Responsible	Notes
1.	Strengthen practical teaching activities and hands-on training	Increase use of anatomical models, microscopes, histological slides, and structured practical sessions	Increase number of anatomical models, microscopes, histological slides	Head of Department, Measurement and Assessment unit & Teaching Staff	Requires the availability of resources and coordination
2.	Improve learning resources and online content	Expand uploading of digital materials, recorded lectures	Using Microsoft teams and LMS to provide update materials, e- book n	E- learning unit Teaching staff	Continuous development

Name and Signature Module Coordinator	Name and Signature Head of the department council

Module Report

Academic Year:2025/2026 Semester: S1

1. Basic Information

Module Title (according to the bylaw):	**Basic Structure & function**
Module Code (according to the bylaw):	**MD-103**
Department/s that participated in the teaching:	**Histology, Anatomy, Physiology & Biochemistry**
Total number of credit points of the course:	**12**
Module Type:	**Compulsory**
The level to which the course was introduced:	**S1**
Academic Program:	**Bachelor of Medicine and Surgery (MBBCH)**
Faculty/Institute:	**Faculty of Medicine**
University/Academy:	**Zagazig University**
Name of Module Coordinator:	**Dr. Samar Ramzy Mohamed**
Date of approval of the course report	17/3/2026

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		**Number of Teaching Assistants**	
Full-time (at least 4 working days)	**Part-time (1 or 2 days)**	**Full-time (at least 4 working days)**	**Part-time (1 or 2 days)**
90	**-**	**82**	**-**

Instructor Name	Department	Academic degree	Specialty
1. راندا صلاح جمعه	فسيولوجي	استاذ	الفسيولوجيه الطبيه
2. مها عبدالحميد فتحي	فسيولوجي	استاذ	الفسيولوجيه الطبيه
3. نانيس فؤاد المالكي	فسيولوجي	استاذ	الفسيولوجيه الطبيه

الفسيولوجيه الطبيه	استاذ	فسيولوجي	4. ابتسام محمد ابراهيم
الفسيولوجيه الطبيه	استاذ	فسيولوجي	5. داليا ابراهيم عبد العليم
الفسيولوجيه الطبيه	استاذ	فسيولوجي	6. مروة عبد العزيز محمد
الفسيولوجيه الطبيه	استاذ	فسيولوجي	7. ريهام حسن ابراهيم
الفسيولوجيه الطبيه	استاذ	فسيولوجي	8. نادين احمد رافت
الفسيولوجيه الطبيه	استاذ	فسيولوجي	9. عبير البيومي خليفه
الفسيولوجيه الطبيه	استاذ	فسيولوجي	10. سما صلاح ابراهيم
الفسيولوجيه الطبيه	استاذ	فسيولوجي	11. مى محمد حسن
الفسيولوجيه الطبيه	استاذ	فسيولوجي	12. عزة عبد الرحمن مجاهد
الفسيولوجيه الطبيه	استاذ	فسيولوجي	13. صلاح محمد ابراهيم
الفسيولوجيه الطبيه	استاذ مساعد	فسيولوجي	14. عبير عبد المنعم سعيد
الفسيولوجيه الطبيه	استاذ مساعد	فسيولوجي	15. شيماء السيد احمد
الفسيولوجيه الطبيه	استاذ مساعد	فسيولوجي	16. رضوى محمود السيد
الفسيولوجيه الطبيه	استاذ مساعد	فسيولوجي	17. ريهام ماهر وحيد
الفسيولوجيه الطبيه	استاذ مساعد	فسيولوجي	18. وسام محمد رضا
الفسيولوجيه الطبيه	استاذ مساعد	فسيولوجي	19. هديل ايمن الشربيني
الفسيولوجيه الطبيه	مدرس	فسيولوجي	20. لمياء جوده محمد
الفسيولوجيه الطبيه	مدرس	فسيولوجي	21. مني طارق محمد
الفسيولوجيه الطبيه	مدرس	فسيولوجي	22. ايمان عبد الرؤوف محمد
الفسيولوجيه الطبيه	مدرس	فسيولوجي	23. شيماء يحيي حسن
الفسيولوجيه الطبيه	مدرس	فسيولوجي	24. ساره جمال سعده
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	25. ياسمين أكمل أحمد حسن
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	26. فاتن فوزي حضري محمد
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	27. شيماء علي محمد أبوزيد
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	28. أمل إبراهيم خليل متولي
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	29. إسراء خليل عبدالعزيز إبراهيم
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	30. آية محمد عبد الرازق الشيخ
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	31. هبة عصام الدين السيد علي
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	32. ندى علاء أحمد مصطفى
الفسيولوجيه الطبيه	مدرس مساعد	فسيولوجي	33. يناس إبراهيم الدسوقي شعبانا

34. سارة أحمد إبراهيم الدسوقي محمد	فسيولوجي	معيد	الفسيولوجيه الطبيه
35. ضحي خليل علي	فسيولوجي	معيد	الفسيولوجيه الطبيه
36. افنان نظمي عطوه	فسيولوجي	معيد	الفسيولوجيه الطبيه
37. سنيه شفيق جلال	فسيولوجي	معيد	الفسيولوجيه الطبيه
38. اسماء محمد عبد المنعم	فسيولوجي	معيد	الفسيولوجيه الطبيه
39. ساره طارق محمد	فسيولوجي	معيد	الفسيولوجيه الطبيه
40. فاطمه عبده اسماعيل	فسيولوجي	معيد	الفسيولوجيه الطبيه
41. مي اخمد الهادي	فسيولوجي	معيد	الفسيولوجيه الطبيه
42. د أمل الشحات إبراهيم الشحات	التشريح الادمي و الاجنة	استاذ	التشريح الادمي و الاجنة
43. ابراهيم حسن ابراهيم على	التشريح الادمي و الاجنة	استاذ مساعد	التشريح الادمي و الاجنة
44. ندى محمد عبدالعزيز محمد	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
45. سارة محمد صابر عرفه حامد	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
46. غادة محمود محمد ابراهيم	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
47. إيمان محمد كمال الدين الشربيني	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
48. رئيفة محمود محمد محمود	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
49. ناهد محمد مصطفى علوان حرموش	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
50. رئيفة محمود محمد محمود	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
51. اسراء احمد عبدالمنعم محمد	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
52. فاطمة الزهراء فتحي السيد نجم	التشريح الادمي و الاجنة	مدرس مساعد	التشريح الادمي و الاجنة
53. مريم عاطف لويس اسكندر	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
54. دينا احمد محمد قنديل	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
55. نيفين عبدالوهاب مصيلحى	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
56. ماريز اميل بولس	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
57. ايه سامي عبدالهادي	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
58. اميرة محمود عدلى	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
59. ياسمين فتحى عبدالله	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
60. ريم صبرى محمد حسن	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
61. سعاد فتحى احمد	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
62. اريج هشام محمد عبدالمطلب	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
63. منه الله احمد عبدالفتاح احمد	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة

64. لمياء شعبان سبع احمد	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
65. اية احمد عبدالمنعم على	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
66. فيروز صلاح محمد ابراهيم	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
67. حنان سعيد السيد محمد	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
68. دينا محمد عبدالمعبود	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
69. اسراء محمد محمود داوود	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
70. روناء حسام شعيان	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
71. هند حازم متولى	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
72. نرمين ابوالمنصور سليم	التشريح الادمي و الاجنة	معيدة	التشريح الادمي و الاجنة
73. خالد السيد حامد المسلمى	الهستولوجيا الطبية وبيولوجيا الخلية	استاذ	الهستولوجيا الطبية وبيولوجيا الخلية
74. داليا عبدالمعين محمد فرج	الهستولوجيا الطبية وبيولوجيا الخلية	استاذ	الهستولوجيا الطبية وبيولوجيا الخلية
75. سالى احمد سليم عليوه	الهستولوجيا الطبية وبيولوجيا الخلية	استاذ	الهستولوجيا الطبية وبيولوجيا الخلية
76. سماح محمد احمد احمد	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية
77. شيماء على عبدالرحمن	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية
78. عصماء عثمان سليم عثمان	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية
79. فايزة السيد احمد عز العزب محمد السيد	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية
80. هاله محمود سليمان محمد	الهستولوجيا الطبية وبيولوجيا الخلية	استاذ	الهستولوجيا الطبية وبيولوجيا الخلية
81. اسماء الحسينى احمد قطايا	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية
82. ابتهال زيد حسن صالح حسن	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ	الهستولوجيا الطبية وبيولوجيا الخلية
83. ايمان محمد محمود عسكر	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
84. غادة عبد العزيز السيد محمد عبدالله	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
85. كريمة فوزى عبد الفضيل	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
86. ناديه محسن محمد على العقباوى	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
87. نهلة السيد ابراهيم بسيونى	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
88. هبه محمد عبدالعزيز عراقى	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية

89. هناء سعيد السيد موسى	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
90. محمد عبدالرحمن غنيم شاهين	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
91. مها زايد محمد حسن	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
92. سارة محمد محمود عبد العال	الهستولوجيا الطبية وبيولوجيا الخلية	أستاذ مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
93. سامح جرجس ميخائيل	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
94. جمال عبدالله عطيه	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
95. سمر عبد العزيز مصطفى يوسف	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
96. سمر رمزى محمد عيد مسعود	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
97. سماء محمد حسن ابراهيم المحروقى	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
98. سمر حسن عبدالحميد سلامة حسن	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
99. سلمى سامى على شلبى	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
100. سمر حسن عبدالحميد سلامة حسن	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
101. سارة على السيد قنديل	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
102. بسنت ثروت عبد الباقي	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
103. اميره محمد صابر عبدالمجيد محمد	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
104. ايمان سامي عبد الكريم علي الشيخ	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
105. ايناس جمال عبدالله عبدالفتاح ابراهيم	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
106. علياء احمد عبد الستار عبدالصادق	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
107. منار محمد على عبدالله	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
108. هايدى جرجس سلامه عبدالملك	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
109. فاطمه موسى الحسينى ابو موسى	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس	الهستولوجيا الطبية وبيولوجيا الخلية
110. سمر محمود اسامه لطفى محمود	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
111. جهاد مجدى محمد عبدالعزيز	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس مساعد	الهستولوجيا الطبية وبيولوجيا الخلية

112. ماريان سلامه يوسف سلامه داود	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
113. مريم احمد علي عبد المقصود	الهستولوجيا الطبية وبيولوجيا الخلية	مدرس مساعد	الهستولوجيا الطبية وبيولوجيا الخلية
114. سارة وائل محمد محمود الشيمى	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
115. علياء ماهر محمد محمد	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
116. ريم محمد على عبدالسلام	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
117. اميره حسن مصطفى شوقى مصطفى	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
118. ساره محمد عبداللطيف السيد العزازى	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
119. خلود مصطفى عزت ابراهيم	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
120. الشيماء محمد احمد عوض	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
121. امنيه منصور محمد عبدالسلام	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
122. سناء عبدالسلام محمد فضل	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
123. سوسنة نبيل كمال مسيحة	الهستولوجيا الطبية وبيولوجيا الخلية	معيد	الهستولوجيا الطبية وبيولوجيا الخلية
124. عاطف جوده حسين على	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
125. مجدي محمد ابراهيم	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
126. سامي حسن محمد ابراهيم	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
127. أسامه عبد العزيز محمود جابر	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
128. سميه حسن عبد الله	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
129. هبه فؤاد باشا	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
130. هايدى عصام الدين أحمد زيدان	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
131. نورهان عبد الله صباح	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
132. نهى عبد الحليم رزق	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
133. هاله مسعد يوسف	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
134. ساميه حسين على	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
135. أمل فوزى عبد المجيد	كيمياء حيوية طبية	استاذ	كيمياء حيوية طبية
136. مروه حسن سليمان	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية
137. هانم مجدى عبد النور	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية

138. أميره صابر القرمانى	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية
139. ولاء محمد سامى فوزى	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية
140. ساره فؤاد عبد المنعم	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية
141. علياء طلعت أحمد	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية
142. دعاء محمود صالح	كيمياء حيوية طبية	استاذ مساعد	كيمياء حيوية طبية
143. ايمان عبد القادر عبد السلام	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
144. سلمى أحمد شوقى	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
145. هدي كمال محمد	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
146. أنسام مقبل زايد	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
147. أسماء عاطف أحمد علي	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
148. بسمه أحمد محمد أحمد ابراهيم	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
149. ولاء السعيد عبد المنعم	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
150. بسمه سعيد قناوى	كيمياء حيوية طبية	مدرس	كيمياء حيوية طبية
151. اسماء عبد الحى محمد	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
152. اسماء ضياء الدين عبد الهادى	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
153. اسماء عطيه كامل	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
154. دينا صلاح محمد	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
155. روضة عمر على	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
156. نهال طه الرشيدى	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
157. ديانا مدحت جبرة سعد موسى	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
158. اسماء على سليمان	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
159. ريم سعيد اليمانى	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
160. هينار محمد بدير	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
161. نورا يوسف عبد السلام	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
162. ايه عبد الحميد محمد	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
163. نوران عز الدين السيد	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
164. رنا وائل ابراهيم	كيمياء حيوية طبية	معيد	كيمياء حيوية طبية
165. ساره ياسر محمد	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
166. يمنى محمد صلاح الدين	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية
167. نرمين عبد الحميد محمد	كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية

كيمياء حيوية طبية	معيد	كيمياء حيوية طبية	168. ايمان محمد محمود احمد
كيمياء حيوية طبية	معيد	كيمياء حيوية طبية	169. دنيا محمد عبدالله
كيمياء حيوية طبية	معيد	كيمياء حيوية طبية	170. هناء السيد اسماعيل
كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية	171. الاء مصطفى بحرى
كيمياء حيوية طبية	مدرس مساعد	كيمياء حيوية طبية	172. ايمان كامل حسن

Notes:

1- The specialization of the teaching staff and teaching assistants was well aligned with the course content. The student to staff ratio was approximately 12:1 reflecting a favorable academic environment that facilitates effective teaching and student engagement

2- Practical teaching sessions were assigned to the course teaching assistants based on their competence, experience, and strong background in delivering practical instruction to students.

3- Students were divided into Groups A, B, and C and each group subdivided into 8-10 subgroups to ensure that group size was appropriate for the nature of the course and to meet students' educational and practical learning needs. This arrangement facilitated the effective implementation of active teaching and learning strategies and enhanced student engagement during practical sessions.

- تم مواءمة تخصص أعضاء هيئة التدريس والهيئة المعاونة مع محتوى المقرر بما يتماشى مع معايير الجودة والاعتماد الأكاديمي. وبلغت نسبة الطلاب إلى أعضاء هيئة التدريس حوالي **12:1**، وهو ما يُعد ضمن النسب الموصى بها وفق معايير ضمان الجودة، مما يعكس بيئة تعليمية مواتية تسهم في تحقيق التدريس الفعال وتعزيز تفاعل الطلاب.
- تم إسناد الجلسات التعليمية العملية إلى أعضاء الهيئة المعاونة بالمقرر، وذلك بناءً على كفاءتهم وخبراتهم وخلفيتهم القوية في تقديم التعليم والتدريب العملي للطلاب.
- تم تقسيم الطلاب إلى **المجموعات A و B وC**، مع تقسيم كل مجموعة إلى **8–10مجموعات فرعية**، وذلك لضمان ملاءمة حجم المجموعات لطبيعة المقرر وتلبية الاحتياجات التعليمية والعملية للطلاب. وقد ساهم هذا التنظيم في التطبيق الفعال لاستراتيجيات التعليم والتعلم النشط، وتعزيز مشاركة الطلاب وتفاعلهم أثناء الجلسات العملية.

Teaching and Learning					
Number of weeks of actual study	**Total number of theoretical teaching hours (Lectures/.....)**	**Total number of training hours (practical/clinical/...)**	**Total number of field training hours (if any)**	**Total number of self-learning hours (if any)**	**Other (to be mentioned)**
7 Weeks	**96**	**96**	**-**	**122**	**-**

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training	Self-Learning/Others
1st	**Character and classification of bones and terms of movement**	45	2	0	2
1st	**Normal features of upper limb bone 1**		0	2	1
1st	**Introduction of histology and cell membrane**		2	2	2
1st	**Membranous organelles**		2	2	2
1st	**Homeostasis and feedback**		2	1	2
1st	**Function of cell membrane**		0	1	1

1st	**Carbohydrate chemistry**		5	2	4
1st	**Specimen collection**		0	2	1
1st	**Color reaction of Carbohydrates**		0	2	1
1st	**Transport across cell membrane**		1	0	1
1st	**Fat soluble vitamins**		1	0	1
2nd	**Character and classification of joints and muscles**	45	1	0	1
2nd	**Normal features of upper limb bones 2**		0	2	1
2nd	**Normal features of lower limb bones 1**		0	2	1
2nd	**Transport across cell membrane**		2	2	2
2nd	**Body fluid**		2	0	2
2nd	**Non-membranous organelles**		2	2	2
2nd	**Nucleus**		2	2	3
2nd	**Organelles sharing in protein synthesis**		0	2	1
2nd	**Lipid chemistry**		4	0	2
2nd	**Water soluble vitamins**		0	2	1
2nd	**General organization of autonomic and ganglion**		1	0	1
3rd	**Normal features of lower limb bones 2**	45	0	2	1
3rd	**Normal features of the vertebral column and mandible**		0	2	1
3rd	**Mitosis**		2	0	1
3rd	**Meiosis and anomalies**		2	0	1
3rd	**Difference between meiosis and mitosis**		0	2	1
3rd	**Cholinergic receptors**		1	0	1
3rd	**Adrenergic receptors**		1	0	1
3rd	**Sympathetic nervous system**		2	0	2
3rd	**Parasympathetic nervous system**		2	0	1
3rd	**Autonomic division**		0	2	2
3rd	**Protein chemistry (+ flipped)**		4	6	5
4th	**General features of skull**	45	0	2	1
4th	**Characters and types of epithelium**		1	2	2

4th	**Epithelial polarity**		2	2	1
4th	**Structure of connective tissue part 1**		2	1	1
4th	**RBCS function and anemia**		3	0	2
4th	**Autonomic receptor**		0	2	1
4th	**Higher centers and tone**		1	0	1
4th	**Nucleic acid chemistry**		2	0	1
4th	**DNA replication**		1	0	1
4th	**DNA damage & repair**		2	0	1
4th	**Role of folate and B12 in hemopoiesis**		0	1.5	2
4th	**PCR method and application**		0	1.5	1
4th	**TBL**		0	2	2
5th	**Structure of connective tissue part II**	45	2	4	3
5th	**Platelets function**		2	0	1
5th	**Hg content and Hematocrit estimation, RBCs count and ESR**		0	2	1
5th	**CBC indices**		0	2	1
5th	**Protein synthesis**		2	0	1
5th	**Vitamins deficiency**		0	2	1
5th	**Techniques of molecular biology**		0	2	1
5th	**WBC function**		2	0	2
5th	**Osmotic fragility**		0	2	1
5th	**RNA synthesis**		2	0	1
5th	**Regulation of gene expression**		2	0	2
5th	**Mutations**		2	0	1
5th	**blood film**		0	2	1
6th	**RBCs & neutrophils**	45	2	0	1
6th	**WBCs & platelets**		2	0	1
6th	**Hemopoiesis**		2	2	2
6th	**RH, ABO grouping**		0	2	1
6th	**Blood transfusion**		0	2	1
6th	**Mechanism of hemostasis**		2	0	2
6th	**Fibrinolytic system**		2	0	1

6th	**Bleeding and coagulation**		0	2	1
6th	**Haemostatic disorders**		0	2	1
6th	**CBC**		0	2	2
6th	**Structure, Regulation of enzyme activities and classification**		4	2	4
7th	**Histology revision**	44+ 1 quiz	3	3	5
7th	**Anatomy revision**		2	2	3
7th	**Biochemistry revision**		4	4	7
7th	**Physiology revision**		3	3	5

Notes

The teaching staff carefully delivered the course contents to ensure proper alignment between the theoretical and practical content and the allocated number of teaching weeks. Consequently, all topics specified in the course specification were successfully covered within the scheduled timeframe. Furthermore, all teaching and learning strategies outlined in the course specification, particularly active learning approaches, were effectively implemented to enhance students' learning experience and support the achievement of the intended learning outcomes. This contributed to improving students' academic performance and overall educational development

Student Assessment Methods that have been Implemented

Method of Assessment *	Date	Marks	Type and number of questions	Measured Module Learning Outcomes (Mention the text)
Quiz	**11/10/2025**	**36**	**36 Single Best Answer (SBA)**	**SF 4.1.1:** Describe the structure and function of the cell membrane and cellular organelles **SF 4.1.2:** Describe the phases of the cell cycle and the principles of karyotyping. **SF 4.1.7:** Classify bones according to their structural features and identify their normal radiological appearance. **SF 4.1.8:** Describe the structural features and classification of joints. **SF 4.1.11:** Explain the functional principles of blood and its components **SF 4.2.1:** Explain the mechanisms of body homeostasis. **SF 4.2.2**: Describe the characteristics and importance of the four major classes of biological macromolecules (proteins, carbohydrates, nucleic acids, and lipids). **SF 4.2.3:** Explain the major molecular processes and their clinical correlations.
Final Written	**1/17/2026**	**72**	**- 11 Structured Essay Questions (SEQs)** **- 36 Single Best Answer (SBA)**	**SF 4.1.1** Describe the structure and function of the cell membrane and cellular organelles **SF 4.1.2** Describe the phases of the cell cycle and the principles of karyotyping. **SF 4.1.3** Describe the structural characteristics and functions of epithelial tissues. **SF 4.1.4** Describe the structure and functions of connective tissue cells and different connective tissue types.

				SF 4.1.5 Differentiate the structural features of blood cells and relate them to their normal functions. **SF 4.1.6** Describe anatomical terminology related to body positions, planes, movements, and directions. **SF 4.1.7** Classify bones according to their structural features and identify their normal radiological appearance. **SF 4.1.**8 Describe the structural features and classification of joints and skeletal muscles. **SF 4.1.9** Describe the divisions, receptors, and higher centres of the autonomic nervous system **SF 4.1.10** Explain the functions of the autonomic nervous system. **SF 4.1.11** Explain the functional principles of blood and its components **SF 4.2.1** Explain the mechanisms of body homeostasis. **SF 4.2.2** Describe the characteristics and importance of the four major classes of biological macromolecules (proteins, carbohydrates, nucleic acids, and lipids). **SF 4.2.3** Explain the major molecular processes and their clinical correlations. **SF 4.2.4** Explain the Classifications of enzymes and their mechanism of enzymes action and factors affecting it **SF 4.2.5** Explain different types of fat- and water-soluble vitamins
OSPE	**1/19/2026**	**54**		**SF 4.8.1:** Identify bones and their anatomical landmarks on osteological specimens. **SF 4.8.2:** Identify normal anatomical features of bones and joints on plain radiographic images. **SF 4.8.3:** Identify the microscopic and ultrastructural features of cells and tissues using light microscopy and electron micrographs. **SF 4.8.4:** Interpret normal human karyotypes to determine chromosome number and genetic sex. **SF 4.8.5:** Identify epithelial, connective, and blood tissues based on their microscopic features. **SF 4.8.6:** Identify appropriate specimens and specimen collection methods for common laboratory investigations. **SF 4.8.7:** Interpret the results of qualitative color reactions used to identify carbohydrates and proteins. **SF 4.8.8**: Identify the different techniques of protein separation and molecular biology and their applications **SF 4.8.9:** Identify enzymes according to their biochemical properties and significance. **SF 4.8.10:** Interpret enzyme abnormalities associated with different organs. **SF 4.8.11:** Interpret clinical images of fat-soluble and water-soluble vitamins deficiencies SF **4.8.12:** Interpret complete blood count (CBC) reports to differentiate normal findings from common types of anemia.

Assignment	**11/1/2025**	**4**	**- Drawing** **- Structured Essay Questions (SEQs)**	**SF 4.1.1:** Describe the structure and function of the cell membrane and cellular organelles **SF 4.1.6:** Describe anatomical terminology related to body positions, planes, movements, and directions. **SF 4.1.7:** Classify bones according to their structural features and identify their normal radiological appearance. **SF 4.2.5:** Explain different types of fat- and water-soluble vitamins
Formative Assessment	**9/10/225** **23/10/225** **6/11/2025**	**zero**	**1st Formative Assessment** https://docs.google.com/forms/d/e/1FAIpQLScvOZGVPO-xxTkMTYMgcCiWTKzGxIRwTSJYjCsnxHIT0-y5zw/viewform?usp=sharing&ouid=109905531161690326405 **2nd formative Assessment** https://docs.google.com/forms/d/e/1FAIpQLSdmNbCyXiYy-T6tD0dkKODvDfraRDLEo_qXfn61bpYWjsaPPw/viewform?usp=sharing&ouid=109905531161690326405 **3rd Formative Assessment** https://docs.google.com/forms/d/e/1FAIpQLSe-I3VsaTsQJn9_k02m3-hUNcNw8vkeUAMBiVtp6X7uM276Dw/viewform?usp=sharing&ouid=109905531161690326405	**SF 4.1.1:** Describe the structure and function of the cell membrane and cellular organelles **SF 4.1.6**: Describe anatomical terminology related to body positions, planes, movements, and directions. **SF 4.1.7**: Classify bones according to their structural features and identify their normal radiological appearance. **SF 4.2.1** Explain the mechanisms of body homeostasis. **SF 4.2.2** Describe the characteristics and importance of the four major classes of biological macromolecules (proteins, carbohydrates, nucleic acids, and lipids). **SF 4.2.3** Explain the major molecular processes and their clinical correlations. **SF 4.1.2** Describe the phases of the cell cycle and the principles of karyotyping. **SF 4.1.3** Describe the structural characteristics and functions of epithelial tissues. **SF 4.2.4** Explain the Classifications of enzymes and their mechanism of enzymes action and factors affecting it **SF 4.1.8** Describe the structural features and classification of joints and skeletal muscles. **SF 4.1.9** Describe the divisions, receptors, and higher centers of the autonomic nervous system **SF 4.1.4:** Describe the structure and functions of connective tissue cells and different connective tissue types. **SF 4.1.5:** Differentiate the structural features of blood cells and relate them to their normal functions. **SF 4.1.11:** Explain the functional principles of blood and its components **SF 4.2.5:** Explain different types of fat- and water-soluble vitamins
TBL	**10/20/2025**	**10**	- Individual readiness assurance test (**Irat**): 8 SBA Questions - Team application scenario-Based (**Taap**): 4 SBA questions	**SF 4.1.1:** Describe the structure and function of the cell membrane and cellular organelles **-SF 4.1.9:** Describe the divisions, receptors, and higher centres of the autonomic nervous system **SF 4.1.10:** Explain the functions of the autonomic nervous system **SF 4.2.2:** Describe the characteristics and importance of the four major classes of biological macromolecules (proteins, carbohydrates, nucleic acids, and lipids).
Portfolio	**11/13/2025**	**4**	**Documentation of required learning**	SF 4.1.1: Describe the structure and function of the cell membrane and cellular organelles

			activities and achievements according to the approved portfolio rubric	SF 4.1.2 Describe the phases of the cell cycle and the principles of karyotyping. SF 4.1.3 Describe the structural characteristics and functions of epithelial tissues. SF 4.1.4: Describe the structure and functions of connective tissue cells and different connective tissue types. SF 4.1.5: Differentiate the structural features of blood cells and relate them to their normal functions SF 4.1.6: Describe anatomical terminology related to body positions, planes, movements, and directions. SF 4.1.7: Classify bones according to their structural features and identify their normal radiological appearance. SF 4.1.8 Describe the structural features and classification of joints and skeletal muscles. SF 4.1.9 Describe the divisions, receptors, and higher centres of the autonomic nervous system SF 4.1.10: Explain the functions of the autonomic nervous system SF 4.1.11: Explain the functional principles of blood and its components SF 4.2.1 Explain the mechanisms of body homeostasis. SF 4.2.2 Describe the characteristics and importance of the four major classes of biological macromolecules (proteins, carbohydrates, nucleic acids, and lipids). SF 4.2.3 Explain the major molecular processes and their clinical correlations**.** SF 4.2.4 Explain the Classifications of enzymes and their mechanism of enzymes action and factors affecting it SF 4.2.4 Explain the Classifications of enzymes and their mechanism of enzymes action and factors affecting it

*** The methods mentioned are examples the institution may add and delete depending on the nature of the course**

1. The assessment process was conducted in accordance with the Credit Point Bylaw (2023) and the Faculty of Medicine assessment policies.
2. A variety of assessment methods were used, including quizzes, final written examinations, OSPE, assignments, formative assessments, Team-Based Learning (TBL) activities, and portfolio assessment to evaluate students' achievement of the module learning outcomes.

Student Assessment Results	
Number of students (who started the module):	**2021**
Number of students (who completed the module/ sat for the exam):	**1535**
Number of students who did not attend the final written exam (absent - deprived - withdrawn):	**486 (absent)**
Total number of students who passed the exams successfully:	**982**

Percentage of success (out of the total number of students who sat for the final exam)				**63.97%**		
Grade Distribution						
Grade	**A**	**B**	**C**	**D**		
Number of students	**315**	**233**	**253**	**181**		
Percentage	**32%**	**23.7%**	**25.7 %**	**18.4%**		
Total number of students who failed the exams:			**553**			
Percentage of failure (for the total number of students who took the final exam)			**36.1%**			

The number of students who attended the Structure and Function module examination represents approximately 75.9% of the total number of students enrolled in the First Academic Year, rather than the entire cohort. This difference was explained as some students joined the First Academic after the beginning of the academic year 2-3 weeks after the Basic Structure and Function module had already started. Consequently, these students did not attend or study the module during its scheduled delivery and were therefore not eligible to sit for the module examination. Instead, they will study the module during the Summer Course.

A comparative evaluation of results for the academic year 2025–2026 demonstrated a notable improvement compared to the previous academic year. The overall success rate increased by 63.97%, reflecting enhanced student engagement, improved learning experiences, and the effectiveness of the implemented educational strategies.

Maintaining this upward trend will require ongoing evaluation of student needs, continuous curriculum development, and further strengthening of active learning and student support initiatives.

3. Student Feedback

*

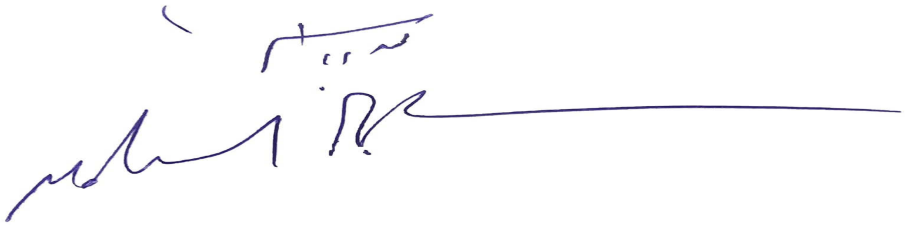
Item	Comment
Means of Evaluation:	Student Satisfaction Questionnaire
Timing of Evaluation:	At the end of the semester
Number of students who participated in the course evaluation	732
Important points of satisfaction	1. Interactive teaching methods and practical sessions were positively evaluated. 2. The learning environment and communication with staff were generally perceived positively.
Important points of dissatisfaction	1. Expand online educational resources and blended learning approaches. 2. Continue encouraging interactive teaching and student participation.

2- Module development plan for the next academic semester/year

(considering the student assessment results as well as the student feedback and instructors' reflection)

No.	Points that need development or improvement	Corrective/ Improvement Actions	Method of implementation	Responsible	Notes
1.	Strengthen practical teaching activities and hands-on training	Increase use of anatomical models, microscopes, histological slides, and structured practical sessions	Increase number of anatomical models, microscopes, histological slides	Head of Department, Measurement and Assessment unit & Teaching Staff	Requires the availability of resources and coordination
2.	Improve learning resources and online content	Expand uploading of digital materials, recorded lectures	Using Microsoft teams and LMS to provide update materials, e- book n	E- learning unit Teaching staff	Continuous development

Name and Signature Module Coordinator	Name and Signature Head of the department council



Module Report

Academic Year:2025-2026 Semester: S2

1. Basic Information

Module Title (according to the bylaw):	**Digestive system & nutrition**
Module Code (according to the bylaw):	**MED-107**
Department/s that participated in the teaching:	**Anatomy Biochemistry Physiology Histology**
Total number of credit hours/points of the course:	**12**
Module Type:	**Compulsory**
The level to which the course was introduced:	**Level 1**
Academic Program:	**Bachelor of Medicine and Surgery (MBBCH)**
Faculty/Institute:	**Faculty of Medicine**
University/Academy:	**Zagazig University**
Name of Module Coordinator:	**Salma Ahmed Shawki**
Date of approval of the course report	15/9/2026

2. Data and Statistics

Module Instructors			
Number of Faculty Staff		Number of Teaching Assistants	
Full-time (at least 4 working days)	Part-time (1 or 2 days)	Full-time (at least 4 working days)	Part-time (1 or 2 days)
120	-	78	
Instructor Name	Department	Academic degree	Specialty
1. Dr Atif Gouda 2. Dr Osama Gaber 3. Dr Samy Hassan 4. Dr Somya Hassan 5. Dr Randa Hosieney 6. Dr Aml Saied 7. Dr Heba Pasha 8. Dr Haidy Essam 9. Dr Nourhan Sabbah 10. Dr Noha Rezk 11. Dr Hala Mosaad	Biochemistry	Professor	Biochemistry

12. Dr Aml Fawzy 13. Dr Marwa Hassan 14. Dr Hanem Magdy 15. Dr Amira Saber 16. Dr Walaa Samy 17. Dr Aliaa Talaat 18. Dr Sara Fouad	**Biochemistry**	**Assistant professor**	**Biochemistry**
19. Dr Eman Abd el Kader 20. Dr Basma Saied 21. Dr Doaa Mahmoud 22. Dr Walaa E l Saied 23. Dr Basma Ahmad 24. Dr Hend Sameh 25. Dr Asmaa Atif 26. Dr Eman Ahmad 27. Dr Mai Mahmoud 28. Dr Ansam Mokbel 29. Dr Salma Ahmed **30.** Dr Hoda Kamal	**Biochemistry**	**Lecturer**	**Biochemistry**
Dr Asmaa Attia Dr Asmaa Diaa Dr Dina Salah Dr Asmaa Ali Dr Noura Yousef Dr Nehal Taha	**Biochemistry**	**Assistant lecturer**	**Biochemistry**
Dr Nouran Ezz Dr Reem Saied Dr Eman Kamel Dr Youmna Salah Dr Nada Atif Dr Nermin Abdel Hamid Dr Asmaa Abdel Hai Dr Aya Abdel Hamid Dr Rana Wael Dr Manar Mohammad Dr Rawda Omar Dr Henar Mohammad	**Biochemistry**	**Demonstrator**	**Biochemistry**
1. Amira Ebrahim mohamad Alsemeh 2. Dalia Mandour 3. Hanan Lotfy 4. Heba Osama Mohammed **5.** Samaa salah Abd El fatah	**Anatomy**	**Professor**	**Anatomy**
6. Dalia Ibrahim Elwafaey 7. Doaa Mohammed Youssef Abd Elhamid 8. Eman Mohammed Ahmed Abdelghany 9. Eman Ramadan Abd El Fattah 10. Emtethal Mamdouh Mohammad Hamed El-Bestawy 11. Enssaf Ahmad Abd Al-Hameed Ibrahim 12. Ghada Mahmoud Mohammed Ebrahim 13. Ibrahim Hassan Ibrahim 14. Mohammed Ahmed Sabry Elnabtiti 15. Mohammed Ahmed Shehata Amin 16. Nadia Alabassery 17. Nancy Husseiny Hassan Hussein 18. Naser Ahmed Mahmoud Elsawy	**Anatomy**	**Assistant professor**	**Anatomy**

19. Nihal Ahmed Bahaa Al Din 20. Ola Ali Abdelwahab Mostafa 21. Rania Hassan Mohamed Soliman 22. Rania Said Moawad Ali 23. Rasha Mohammad Sabry Hussein 24. Reham Helmy Abdel-Kareem Ali **25.** Walaa Abdel-haliem Rashad Abdel-haliem			
26. Alaa Fawzy Abdelaal Ahmed 27. Amira Fawzy Abdelaal Ahmed 28. Asmaa Mahde Kamel Mahde 29. Eman Borai Mohamed Hassan 30. Mahmoud Ramadan Abd elhamid 31. Marwa Mohamed Mahmoud Abdelfattah 32. Marwa Sabry Abdelaal Mogahed 33. Nada Mohamed Mohamed Soliman 34. Noura Mohammed Kenawy 35. Rasha Ahmed Ahmed Agaga 36. Reham Talaat Eldemerdash Ibrahim 37. Saly Samir Monir lotfalla **38.** Samar Mortada Mahmoud	**Anatomy**	**Lecturer**	**Anatomy**
39. Eman Mohamed Kamal EL-Din EL Sherbiny 40. Gehad Ahmed Mohamed 41. Ghada Mahmoud Mohammed Ebrahim 42. Nada Mohammed Abdel Aziz 43. Nahed Mohamed Mostafa 44. Nehal Mohammed Mohammed Omar. **45.** Wafaa Mostafa Ahmed Hassan	**Anatomy**	**Assistant lecturer**	**Anatomy**
46. Amira Mahmoud Adly Abdelmoaty 47. Areej Hesham Mohamed AbdelMoteleb 48. Asmaa Tayseer Mohamed 49. Aya Ahmed Abdelmonem Swidan 50. Aya Ayman Abdelhamid 51. Dina Ahmed Mohamed Kandel 52. Esraa Ahmed Abdelmoniem Mohamed 53. Esraa Nagy Abdelhameed Ibrahim 54. Esraa Refaat Abd ElAziz 55. Fayrouz Salah Mohamed Ibrahim 56. Hanan Saeed ElSayed Mohamed 57. Lamiaa Shaban Saba Ahmed 58. Mariam Atef Louis Eskander 59. Mariz Emel Boles Yawakem 60. Mennatallah Ahmed Abdelfattah Ahmed 61. Nermeen mohamed ibrahim 62. Nesma Abdelhamid Abdelbakey Younis 63. Neveen Abdelwahab Mosilhy Mousa 64. Noher Mahdy Fathy Mahdy 65. Raefa Mahmoud Mohamed 66. Rawan Mohamed Elsayed lsmael 67. Reem sabry mohamed hassan ibraheem 68. Reham abdelhameed salama 69. Soaad Fathy Ahmed Foaad	**Anatomy**	**Demonstrator**	**Anatomy**

70. Yasmen fathi Abdallah Radwan			
1. Abeer mohamed azmy Zaki 2. Samah Mohamed Ahmed 3. -Zeinab Mansour mohamed 4. Abeer Abd-elazeem Mahmoud 5. Asmaa Othman Selim	**Histology**	**Professor**	**Histology**
6. Nadia Mohsen Elakabawy 7. sara Mohamed Mahmoud Abdelaal 8. Karima Fawzy AbdelFadeel Ibrahim 9. Heba Mohamed Abdel -Aziz Eraque 10. Nahla Elsayed Ibrahem Basiony 11. Ghada Abdelaziz Elsayed 12. Hanna Said El-sayed Moussa 13. Eman Mohamed Mahmoud Askar	**Histology**	**Assistant professor**	**Histology**
14. Salma Sami Ali Shalabi 15. Manar Mohamed Ali Abdullah 16. Amira Mohammed Saber 17. Samar Hassan adbelhameed 18. Eman Samy Abd Elkreem Elsheikh 19. Bassant tharwat abdelbaki ahmed 20. Sara Ali El-sayed Kandeel 21. Samar ramzy mohamed eid 22. Samaa Mohamed Hassan Ibrahim 23. Alyaa Ahmed Abd El_sattar 24. Enas Gamal abdallah abdelfatah 25. Samar Abdelaziz Mostafa Yousef	**Histology**	**Lecturer**	**Histology**
26. Marian Salama Youssef Salama 27. Mariam Ahmed Ali Abd Elmaksoud 28. Samar Mahmoud Osama Lutfy 29. Fatma Mousa Elhuseiny Mousa **30.** Haidy Gerges Salama Abdel Malek	**Histology**	**Assistant Lecturer**	**Histology**
31. Sara Wael Mohamed Mahmoud 32. Esraa Mohammed abdellatif 33. Sara Mohammed abdellatif elazazy 34. Amira Hasan Mostafa Shawky 35. Sanaa Abdelsalam Mohammed 36. Omnia Mansour Mohamed 37. Susanna Nabil Kamal Mesiha 38. Alshaimaa Mohamed Ahmed 39. Khlood Mostafa Ezzat ibrahim 40. Aya Ebrahim Abdelfattah Mohamed 41. Gehad Magdy Mohamed Abdelaziz	**Histology**	**Demonstrator**	**Histology**
1. Prof/ Azza Megahed 2. Prof/Dalia Abdel Alim 3. Prof/ Mai Hassan 4. Prof/ Khaled Abdelfattah AbolFadle 5. Prof/Doaa Attia 6. Prof/Sama Salah 7. Prof/Marwa Habib 8. Prof/Reham El-Azouny 9. Prof/Ebtesam Mohamed Ibrahim Al-Negaihy	**Physiology**	**Professor**	**Physiology**
10. Abeer Saied 11. Nanees El-Malky 12. Radwa Mahmoud 13. Eman Reda 14. Wesam Reda Ashour 15. Sherein Fathy 16. Shaimaa Hadhood 17. Reham Maher	**Physiology**	**Assistant Professor**	**Physiology**
18. Hadeel Al-Sherbini 19. Eman Abdel Raouf	**Physiology**	**Lecturer**	**Physiology**

20. Amira Mokhtar Gobran 21. Hoda Gala 22. Dalia Atef 23. Lamiaa Goda 24. Heba Salah 25. Nehal Hendi 26. Hend 27. Mona tarek			
28. Enas Al-Desouky 29. Omnia Al-Kazzaz 30. Shaimaa Ali Abou Zied 31. Shaimaa Yahia 32. Nada Alaa 33. Fatma Nabil 34. Heba Essam 35. Yasmeen Akmal 36. Mariam Nasr 37. Aya Al-Sheikh 38. Faten Fawzy 39. Amal Ibrahim Khalil 40. Esraa Khali 41. Kholoud Hassan	**Physiology**	**Assistant lecturer**	**Physiology**
42. Fatma Abdo 43. Doha Khalil Ali 44. Mai Ahmed El hady 45. Asmaa Goda 46. Sara Tarek 47. Sara Ragab 48. Asmaa Abdel Monem 49. Nada Abdel Maksoud Al Shazly 50. Saneyya Shafik Galal 51. Sara Ahmed Ibrahim El Desouky 52. Afnan Nazmy Atwa 53. Nourhan Hosni Abdel Fattah 54. Eman Mamdouh 55. Esraa Ragab 56. Nada Abdel Mageed 57. Aya Al Mokaddem	**Physiology**	**Demonstrator**	**Physiology**

Notes:

The specialization of the teaching staff and teaching assistants was well aligned with the course content. The student to staff ratio was approximately **8: 1** reflecting a favorable academic environment that facilitates effective teaching and student engagement. Students were divided into Groups A, B, and C; each group subdivided into 10 subgroups to ensure that group size was appropriate for the nature of the course and to meet students' educational and practical learning needs. Practical revision sessions were conducted to support students' preparation for the practical examinations and to reinforce their laboratory and hands-on skills.

Teaching and Learning					
Number of weeks of actual study	**Total number of theoretical teaching hours (Lectures/.....)**	**Total number of training hours (practical...)**	**Total number of field training hours (if any)**	**Total number of self-learning hours (if any)**	**Other (to be mentioned)**

weeks 6	**84**	**84**	**-----**	**102**	**-**

Week #	Module Topics	Total Weekly Hours	Expected Teaching and Learning Hours		
			Theoretical	Clinical/Practical Training	Self-Learning/Others
1st week	Histology of the oral cavity and salivary glands	45	2	2	3
	Digestion and absorption of Carbohydrates & Glycolysis		3	2	3
	Anatomy of the pharynx & the salivary glands		1	4	4
	Anatomy of the anterior abdominal wall Anatomy of the peritoneum& spleen		2	4	3
	Introduction to GIT& Histology of the esophagus		2	0	1
	Pyruvate Dehydrogenase Complex & TCA		2	0	1
	Mastication, salivation and swallowing (SGS)		2	0	1
	Function of enteric nervous		0	2	1
2nd week	Gastric secretions and gastric motility	45	2	4	4
	Anatomy of the esophagus & stomach		2	4	4
	Histology of stomach		2	2	2
	Anatomy of the anterior abdominal wall		0	2	1
	Pyruvate Dehydrogenase Complex & TCA (SGS)		2	0	1
	Gluconeogenesis		4	0	2
	Glycogen metabolism		2	2	3
3rd week	Role of liver in pentose metabolism (Pentose Phosphate Pathway), uronic acid pathway	45	2	2	3
	Histology of the small intestine		2	2	3
	Anatomy of the duodenum & pancreas		2	2	3
	Anatomy of the rectum, anal canal &ischiorectal fossa		2	0	1
	Function of liver, gall bladder and splanchnic circulation		2	0	1
	Electron Transport Chain 2& free radicals and antioxidants		2	0	2
	Respiratory chain (ETC)		2	0	1
	Applied biochemical basis of carbohydrate metabolism & its clinical correlations		0	2	1
	Bile and jaundice		2	2	2
	Colorimetric assays of glucose		0	2	2
	Exocrine pancreatic secretions		0	2	1
4th week	Role of liver in general protein metabolism & ammonia metabolism	45	2	2	3

	Liver function test & proteins estimation (Laboratory application of liver function tests)		0	2	1
	Anatomy of the liver and biliary system		2	0	1
	Urea cycle		2	2	3
	Histology of the liver and biliary system		2	0	1
	How to differentiate between GIT sections under microscope		0	2	1
	Histology of the large intestine		0	2	1
	Anatomy of small& large intestine		0	2	1
	GIT hormones/BMR		0	2	1
	Digestion and absorption of lipid and protein		2	0	1
	Control of food intake and obesity		2	0	2
	Respiratory chain (ETC) /Electron Transport Chain (SGS)		2	0	2
5th week	**Heme metabolism (heme synthesis) part 1, 2**	45	4	0	2
	Heme catabolism		2	0	1
	Blood supply of the GIT		2	0	1
	Histology of the pancreas		2	0	1
	Role of liver in xenobiotic metabolism		2	0	1
	Liver as manufacture of plasma proteins (plasma protein electrophoresis)		0	2	1
	RQ & SDA, Obesity		2	2	2
	Estimation of hemoglobulin Levels		0	2	2
	Hb electrophoresis		0	2	1
	Anatomy of the rectum, anal canal &ischiorectal fossa		0	2	1
	TBL		0	2	3
	Heme catabolism		0	2	1
6th week	**Obesity (Bio)**	45	4	2	4
	Intestinal absorption		2	0	1
	Role of liver in xenobiotic metabolism		2	0	1
	Starvation		4	0	1
	Applied biochemical basis of protein & its clinical correlations		0	2	1
	Anatomy of the liver and biliary system		0	2	1
	Histology of the liver		0	2	1
	Colorimetric assay of ammonia & albumin		0	2	1
	Portal vein & Porto systemic anastomosis (F)		2	2	5
	Histology of pancreas		0	2	1

Notes (if any) on:

The teaching staff carefully delivered the course contents to ensure proper alignment between the theoretical and practical content and the allocated number of teaching weeks. Consequently, all topics specified in the course specification were successfully covered within the scheduled timeframe. Furthermore, all teaching and learning strategies outlined in the course specification, particularly active learning approaches, were effectively implemented to enhance students' learning experience and support the achievement of the intended learning outcomes. This

contributed to improving students' academic performance and overall educational development

Student Assessment Methods that have been Implemented				
Method of Assessment *	**Date**	**Marks**	**Type and number of questions**	**Measured Module Learning Outcomes** (Mention the text)
Quiz	14/5/2026	**36**	**Single Best Answer (SBA) 36**	**DS 1.6.1:** Interpret the results of hemoglobin estimation and hemoglobin electrophoresis in relation to disorders of heme metabolism. **DS 1.6.2:** Interpret liver function tests and plasma protein electrophoresis in relation to protein metabolism and liver disorders. **DS 4.2.1:** Explain carbohydrate, lipid, and protein metabolism and their regulation. **DS 4.1.1:** Describe the anatomy of the ant abdominal wall, peritoneum, oral cavity, oropharynx, and esophagus. **DS 4.1.2:** Describe the anatomy of the stomach, duodenum, pancreas, and intestines **DS 4.1.6:** Describe the histological structure of the oral cavity and salivary gland. **DS 4.1.7:** Describe the histological structure of the esophagus, stomach, small intestine and large intestine. **DS 4.1.9:** Explain the physiological functions of gastrointestinal motility and secretion. **DS 4.1.10:** Explain the physiological processes of digestion and absorption. **DS 4.2.1:** Explain the physiological mechanisms regulating gastrointestinal motility, secretion
Final Written	6/6/2026	**72**	**- Structured Essay Questions (SEQs)** **- Single Best Answer (SBA)**	**DS 1.6.1:** Interpret the results of hemoglobin estimation and hemoglobin electrophoresis in relation to disorders of heme metabolism. **DS 1.6.2:** Interpret liver function tests and plasma protein electrophoresis in relation to protein metabolism and liver disorders. **DS 1.8.1:** Apply anatomical knowledge of the gastrointestinal and hepatobiliary systems in common clinical scenarios. **DS 1.8.2:** Apply physiological knowledge of gastrointestinal functions in common clinical scenarios. **DS 1.8.3:** Apply biochemical knowledge of nutrient metabolism in common clinical scenarios. **DS 2.3.1:** Explain the principles of healthy nutrition and the pathophysiology

				of obesity. **DS 2.3.2:** Discuss the relationship between nutrition and metabolism in maintaining health**.** **DS 4.1.1:** Describe the anatomy of the ant abdominal wall, peritoneum, oral cavity, oropharynx, and esophagus. **DS 4.1.2:** Describe the anatomy of the stomach, duodenum, pancreas, and intestines **DS 4.1.3:** Describe the anatomy of the rectum, anal canal, and ischio-anal fossa. **DS 4.1.4:** Describe the anatomy of the liver and biliary system. **DS 4.1.5:** Explain the arterial supply, venous drainage, and lymphatic drainage of the gastrointestinal tract. **DS 4.1.6:** Describe the histological structure of the oral cavity and salivary gland. **DS 4.1.7:** Describe the histological structure of the esophagus, stomach, small intestine and large intestine. **DS 4.1.8:** Describe the histological structure of the liver, pancreas and gallbladder. **DS 4.1.9:** Explain the physiological functions of gastrointestinal motility and secretion. **DS 4.1.10:** Explain the physiological processes of digestion and absorption. **DS 4.2.1:** Explain the physiological mechanisms regulating gastrointestinal motility, secretion, digestion, and absorption. **DS 4.2.1:** Explain carbohydrate, lipid, and protein metabolism and their regulation. **DS 4.2.3:** Explain the biochemical mechanisms of oxidative phosphorylation, electron transport chain, and oxidative stress. **DS 4.2.4:** Describe the role of the liver and biliary system
OSPE	**10 & 9 ,8 .6/2026/**	**54**	**stations 18**	**DS 4.8.1:** Identify the bones and anatomical structures of the gastrointestinal system on anatomical specimens. **DS 4.8.2:** Identify normal gastrointestinal structures on radiographic images. **DS 4.8.3:** Identify the microscopic features of the gastrointestinal tract, salivary glands, liver, pancreas and gallbladder using histological slides. **DS 4.8.4:** Identify common biochemical laboratory tests related to gastrointestinal disorders. **DS 4.8.5:** Interpret laboratory findings related to liver function and carbohydrate and lipid metabolism.

				DS 4.8.6: Identify different types of jaundice **DS 4.8.7:** Interpret state of metabolism in different body condition
Assignment	.2/5/2026	**4**	**Drawing - Structured Essay - Questions (SEQs)**	**DS 4.1.7:** Describe the histological structure of the esophagus, stomach, small intestine and large intestine.
TBL	27/4/2026	**10**	-Individual readiness assurance test (**I-rat**): SBA Questions - Team application scenario-Based (**T-aap**): SBA questions	**DS 4.1.1:** Describe the anatomy of the ant abdominal wall, peritoneum, oral cavity, oropharynx, and esophagus. **DS 4.2.1:** Explain carbohydrate, lipid, and protein metabolism and their regulation.
Portfolio		**4**	**Documentation of required learning activities and achievements according to the approved portfolio rubric**	
Formative assessment		**-**	**1st formative assessment** https://docs.google.com/forms/d/e/1FAIpQLSd3JJqR26EJj3YTtLY6msxfM8rdwVoDQCUuI0t9A4LC-uTaPQ/viewform?usp=header	**DS 1.6.1:** Interpret the results of hemoglobin estimation and hemoglobin electrophoresis in relation to disorders of heme metabolism. **DS 1.6.2:** Interpret liver function tests and plasma protein electrophoresis in relation to protein metabolism and liver disorders. **DS 4.1.1:** Describe the anatomy of the ant abdominal wall, peritoneum, oral cavity, oropharynx, and esophagus. **DS 4.1.10:** Explain the physiological processes of digestion and absorption. **DS 4.2.1:** Explain the physiological mechanisms regulating gastrointestinal motility, secretion, digestion, and absorption. **DS 4.1.6:** Describe the histological structure of the oral cavity and salivary gland. **DS 4.1.7:** Describe the histological structure of the esophagus, stomach, small intestine and large intestine.
			2nd formative assessment https://docs.google.com/forms/d/e/1FAIpQLSd3JJqR26EJj3YTtLY6msxfM8rdwVoDQCUuI0t9A4LC-uTaPQ/viewform?usp=header	**DS 1.8.2:** Apply physiological knowledge of gastrointestinal functions in common clinical scenarios. **DS 4.2.1:** Explain carbohydrate, lipid, and protein metabolism and their regulation. **DS 4.1.2:** Describe the anatomy of the stomach, duodenum, pancreas, and intestines **DS 4.1.3:** Describe the anatomy of the rectum, anal canal, and ischio-anal fossa. **DS 4.1.4:** Describe the anatomy of the liver and biliary system. **DS 4.1.5:** Explain the arterial supply, venous drainage, and lymphatic drainage of the gastrointestinal tract. **DS 4.1.8:** Describe the histological structure of the liver, pancreas and

				gallbladder. **DS 4.2.3:** Explain the biochemical mechanisms of oxidative phosphorylation, electron transport chain, and oxidative stress. **DS 4.2.4:** Describe the role of the liver and biliary system

*** The methods mentioned are examples the institution may add and delete depending on the nature of the course**

- The assessment process was conducted in accordance with the Credit Point Bylaw (2023) and the Faculty of Medicine assessment policies.
- A variety of assessment methods were used, including quizzes, final written examinations, OSPE, assignments, formative assessments, Team-Based Learning (TBL) activities, and portfolio assessment to evaluate students' achievement of the module learning outcomes.

Student Assessment Results	
Number of students (who started the module):	**2288**
Number of students (who completed the module/ sat for the exam):	**1733**
Number of students who did not attend the final written exam (absent – deprived – withdrawn):	**555**
Total number of students who passed the exams successfully:	**1119**
Percentage of success (out of the total number of students who sat for the final exam)	**65%**

Grade Distribution						
Grade	**A**	**B**	**C**	**D**	**F**	**F-**
Number of students	**377**	**236**	**218**	**288**	**614**	
Percentage	**% 22**	**% 14**	**12.5%**	**% 16.5**	**% 35**	
Total number of students who failed the exams:			**614**			
Percentage of failure (for the total number of students who took the final exam)			**35%**			

3. Student Feedback

Item	Comment
Means of Evaluation:	**Student Satisfaction Questionnaire**
Timing of Evaluation:	**At the end of the semester**
Number of students who participated in the course	**560**

Item	Comment
evaluation	
Important points of satisfaction	1. Practical-based learning activities. 2. Portfolio application and reflective learning. 3. Organized teaching schedule. 4. Good integration between theory and practice.
Important points of dissatisfaction	1. Offer more detailed supporting learning resources.

4- Module development plan for the next academic semester/year

(considering the student assessment results as well as the student feedback and instructors' reflection)

No.	Points that need development or improvement	Corrective/ Improvement Actions	Methods of implementation	Responsible	notes
1.	Improve learning resources and online content	Expand uploading of digital materials, recorded lectures, and blended learning resources	Use Microsoft Teams to provide updated materials and e-learning resources	Teaching Staff, Department Administration	
2.	Development and upgrade the biochemistry laboratories by equipping them with necessary instruments, equipment, and, materials	Ensure effective practical teaching and training		- Dean of faculty - Vice dean of student affairs - Head of biochemistry department	

Name and Signature Module Coordinator	Name and Signature Head of the department council