



<b>Form: Course Syllabus</b>	<b>Form Number</b>	EXC-01-02-02A
	<b>Issue Number and Date</b>	2/3/24/2022/2963 05/12/2022
	<b>Number and Date of Revision or Modification</b>	
	<b>Deans Council Approval Decision Number</b>	265/2024/24/3/2
	<b>The Date of the Deans Council Approval Decision</b>	2024/1/23
	<b>Number of Pages</b>	06

1.	<b>Course Title</b>	General Surgery 2
2.	<b>Course Number</b>	0507603
3.	<b>Credit Hours (Theory, Practical)</b>	8 hours
	<b>Contact Hours (Theory, Practical)</b>	8am to 4pm (Sun-Thu)
4.	<b>Prerequisites/ Corequisites</b>	Completion of General surgery 1 successfully
5.	<b>Program Title</b>	Doctor of Medicine MD
6.	<b>Program Code</b>	0507601
7.	<b>School/ Center</b>	School of Medicine
8.	<b>Department</b>	General Surgery
9.	<b>Course Level</b>	Bachelor
10.	<b>Year of Study and Semester (s)</b>	First and Second semester of 6 <sup>th</sup> year
11.	<b>Program Degree</b>	Bachelor
12.	<b>Other Department(s) Involved in Teaching the Course</b>	None
13.	<b>Learning Language</b>	English
14.	<b>Learning Types</b>	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15.	<b>Online Platforms(s)</b>	<input type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams
16.	<b>Issuing Date</b>	19/1/2024
17.	<b>Revision Date</b>	11-5-2025

**18. Course Coordinator:****Name:** Abeer Aldiab MD**Contact hours:** Sundays and Tuesdays 8.00 am-16.00 pm**Office number:****Phone number:****Email:** [surgery@ju.edu.jo](mailto:surgery@ju.edu.jo)

**19. Other Instructors:**

	<b>INSTRUCTOR</b>	<b>Office number</b>	<b>office hours</b>	<b>phone number</b>	<b>email address</b>
1	Sameer Aljabaeti	Ext 2483	Mon 9-11	0795544292	<a href="mailto:sjabaiti@ju.edu.jo">sjabaiti@ju.edu.jo</a>
2	Barqa Salah	Ext 2483	Wed 11-13	0795001895	<a href="mailto:b.salah@ju.edu.jo">b.salah@ju.edu.jo</a>
3	Marzouq Amareen	Ext 2483	Sun 12-14	0796688800	<a href="mailto:M_amarin@ju.edu.jo">M_amarin@ju.edu.jo</a>
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8	Salam Daradkeh	Ext 2483	Mon 10:30-12	0795539119	<a href="mailto:daradkeh@ju.edu.jo">daradkeh@ju.edu.jo</a>
9	Mohammad Rashdan	Ext 2483	Tue 10-12	0799061277	<a href="mailto:M_rashdan@ju.edu.jo">M_rashdan@ju.edu.jo</a>
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11	Khaled Dradke	Ext 2483	Thu 11-1	0799061373	<a href="mailto:Khaled.daradka@ju.edu.jo">Khaled.daradka@ju.edu.jo</a>
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13	Jamal Masad	Ext 2483	Sun 13-15	0795828283	<a href="mailto:jmasad@ju.edu.jo">jmasad@ju.edu.jo</a>
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18	Nader Albsoul	Ext 2483	Tue 13-15	0795673425	<a href="mailto:nalbsoul@ju.edu.jo">nalbsoul@ju.edu.jo</a>

**20. Course Description:****A- Course Description:**

This course involves the training of students in outpatient clinics, specialized units and operating rooms covering the study of the clinical manifestations of diseases, their diagnosis and treatments in addition to postoperative follow-up. The course is delivered through eight weeks of programmed clinical training, tutorials and seminars. Experienced people are invited to give lectures or a variety of interactive activities.

**B- Aims:**

1. To strengthen the basic general knowledge, the student gained at the 4th year level
2. To improve their skills in history taking, physical examination and ordering the required investigations
3. To expose them to the principles of management and treatment of general surgical patients including elective and emergency settings.
4. To help students improve the surgical skills necessary to deal with common surgical problems

To help them build up confidence to deal with surgical patients, in addition to communicate with patients, medical staff and colleagues in a professional manner.

**21. Program Intended Learning Outcomes:** (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

**Program Intended Learning Outcomes (PLOs)** (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program):

1. **Demonstrate basic knowledge of normal human structure and function at molecular, genetic, cellular, tissue, organ, system and whole-body levels in terms of growth, development, and health maintenance. Analyze the basic molecular and cellular mechanisms involved in the causation and treatment of human disease and their influence on clinical presentation and therapy.**





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2. **Collect, interpret, document, and communicate accurately a comprehensive medical history, including the psychological and behavioral factors, and a thorough organ-system-specific physical examination inclusive of the mental status of the patient.**
  
  3. **Integrate and communicate collected clinical information in the construction of appropriate diagnostic and therapeutic management strategies to identify life-threatening conditions ensuring prompt therapy, referral, and consultation with relevant disciplines and skillfully perform basic medical procedures for general practice on patients with common illness, acute and chronic, taking into account environmental, social, cultural and psychological factors.**
  
  4. **Demonstrate in-depth knowledge of the epidemiology and biostatistics of common diseases, and analyze the impact of ethnicity, culture, socioeconomic factors and other social factors on health, disease and individual patient's health care.**
  
  5. **Communicate effectively and professionally, both orally and in writing, with patients, their families, and with other healthcare providers utilizing information technology resources in his/her scholarly activities and professional development with the ability to teach others, and to understand and respect other healthcare professionals' roles, and apply the principles of multidisciplinary teamwork dynamics and collaboration.**
  
  6. **Apply scientific methods including evidence –based approach to the medical practice including problem identification, data collection, hypothesis formulation, etc., and apply inductive reasoning to problem solving and ensure that clinical reasoning and decision making are guided by sound ethical principles.**
  
  7. **Demonstrate knowledge of scientific research methods and ethical principles of clinical research and be able to write research proposals or research papers.**
  
  8. **Demonstrate professionally the skills needed for Quality improvement, lifelong learning, and continuous medical education including the ability to identify and address personal strength and weakness, self-assess knowledge and performance, and develop a self-improvement plan.**
  
  
  22. **Course Intended Learning Outcomes:** (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)



Course ILOs #	The learning levels to be achieved						Competencies
	Remember	Understand	Apply	Analyse	Evaluate	Create	
1.	✓	✓					Review the anatomy and pathophysiology of respiratory, cardiovascular, gastrointestinal, renal, endocrine
2.		✓	✓	✓	✓	✓	Perform a focused history and physical on patients with varied surgical diagnoses in the inpatient and out-patient setting
3.		✓	✓	✓	✓	✓	Be able to review a chart and present an accurate history and physical to an attending or resident and identify preoperative issues in patients who are candidates for surgery.
4.		✓	✓	✓	✓	✓	Interpret diagnostic imaging independently and review the films with a radiologist.



5.		✓	✓	✓	✓	✓	Learn how to perform hand tie, remove sutures, the sterile technique and operating room protocol and other surgical skills
.6		✓	✓	✓	✓	✓	Participate in clinical research and audits
.7		✓	✓	✓	✓	✓	Ensure that the student exhibit the highest standards of professional attitude towards patients, colleagues and supervisors.

**23. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PLO's:**

PLO's * CLO's	1	2	3	4	5	Descriptors**		
						A	B	C
1	✓					✓		
2		✓					✓	
3			✓	✓				✓
4						✓		
5							✓	
6					✓			✓



7						✓		
8								✓

\*Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.

\*\*Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).

#### 24. Topic Outline and Schedule:

Week	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	<b>Cardiovascular and Thoracic Surgery</b>	1.1 Review the anatomy and pathophysiology of cardiac system. 1.2 Comprehend symptoms and signs of various cardiac disease 1.3 Acquire the skills needed to approach patients, and to use these skills to facilitate history taking and physical examination. 1.4 Interpret investigations and images 1.5 Present complete and accurate patient information in a case presentation format, including appropriate components and sequence 1.6 Approach and outline the management for patients with emergency conditions ((e.g. pneumothorax and other chest traumas) and also routine problems , vascular access , acute and chronic lower limb ischemia	K S C	Face to face - Morning educational rounds - Daily seminars - History taking and physical examinations - Closing rounds - Live meeting -operating room	Teams for live meetings	<b>Synchronous</b>	Evaluation/ attendance and discipline End of rotations OSCE End of the year OSCE Final written exam	
Week	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources





Week	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
2	Pediatric Surgery	2.1 Review the anatomy and physiology 2.2 Comprehend symptoms and signs of common surgical disease in children 2.3 Acquire the skills needed to approach children and to use these skills to facilitate history taking and physical examination. 2.4 Interpret basic investigations. 2.5 Approach and outline the management for patients with surgical conditions e.g neonatal intestinal obstruction, inguinoscrotal disease, intestinal obstruction, common urological disease, solid tumor and other surgical congenital anomalies 2.6 Participate in patient management		Face to face - Morning educational rounds - Daily seminars - History taking and physical examinations - Closing rounds - Live meeting -operating room	Teams for live meetings	Synchronous	Evaluation/ attendance and discipline End of rotations OSCE End of the year OSCE Final written exam	
3,4	Gastrointestinal Surgery	3.1 Review the anatomy and physiology of gastro-intestinal system 3.2 Comprehend symptoms and signs of gastro-intestinal conditions 3.3 Acquire the skills needed to approach patients with gastrointestinal surgical disease, and to use these skills to facilitate history taking and physical examination. 4.1 Interpret X-rays and CT scan 4.2 Approach and outline the management for patients with Jaundice, liver and gall bladder disease, pancreatic disease, intestinal obstruction, small bowel and colonic benign and malignant conditions, gastric and duodenal surgical disease, surgical management of obese patient, approach to surgical cause of lower and upper GI bleeding and their management, blunt and penetrating abdominal trauma.	K S C	Face to face - Morning educational rounds - Daily seminars - History taking and physical examinations - Closing rounds - Live meeting -operating room	Teams for live meetings	Synchronous	Evaluation/ attendance and discipline End of rotations OSCE End of the year OSCE Final written exam	
Week	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources





Week	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
5	Oncology Surgery	5.1 Review the anatomy and physiology. 5.2 Comprehend the symptoms and signs of common malignancy 5.3 Acquire the skills needed to approach patients with malignancy, and to use these skills to facilitate history taking and physical examination. 5.4 Interpret blood test, tumor markers 5.5 Interpret and different imaging modalities 5.6 Approach and outline the management for patients with esophageal, gastric, small bowel, colonic tumor, breast and lung malignancy 5.7 Communicate with patients and their families, explaining line of management	K S C	Face to face - Morning educational rounds - Daily seminars - History taking and physical examinations - Closing rounds - Live meeting -operating room	Teams for live meetings	Synchronous	Evaluation/ attendance and discipline End of rotations OSCE End of the year OSCE Final written exam	
6	Plastic Surgery	6.1 Review the physiology of burn patients, fluid calculations 6.2 Review the physiology of wound healing, coagulations and hemostasis 6.3 Acquire the skills needed to approach patients with burn, congenital anomalies (e.g cleft palate, vascular anomalies) and to use these skills to facilitate history taking and physical examination. 6.4 Evaluate and outline the management for patients with chemical, inhalational and scald burn, soft tissue coverage, wound management, skin tumor	K S C	Face to face - Morning educational rounds - Daily seminars - History taking and physical examinations - Closing rounds - Live meeting -operating room	Teams for live meetings		Evaluation/ attendance and discipline End of rotations OSCE End of the year OSCE Final written exam	
7,8	Endocrine and Head and Neck Surgeries	7.1 Define the pathophysiology of adrenal, salivary and thyroid glands 7.2 Diagnose and treat patients with neck mass, goiter, thyroid carcinoma, parathyroid diseases, benign and malignant breast disease 7.3 Appreciate the role of screening in breast cancer 8.1 Interpret blood test and images 8.2 Approach and outline the management of patients with benign and malignant parotid, submandibular, thyroid, parathyroid, adrenal glands conditions and breast diseases	K S C	Face to face - Morning educational rounds - Daily seminars - History taking and physical examinations - Closing rounds - Live meeting -operating room	Teams for live meetings		Evaluation/ attendance and discipline End of rotations OSCE End of the year OSCE Final written exam	



Week	Topic	Student Learning Outcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
** K: Knowledge, S: Skills, C: Competency								

## 25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:						
Evaluation Activity	Mark	Topic(s)	CLOs	Descriptors **	Period (Week)	Platform
Evaluation/ attendance and discipline	20	Cardiac and thoracic surgery	1.1/1.2/1.3/1.4/1.5/1.6	K S C	1 weeks	Seminar rooms Outpatient clinics and operating rooms at Jordan University Hospital, JRMS, Ministry of Health and Private Sector
		Pediatric surgery	2.1/2.2/2.3/2.4/2.5/2.6		1 weeks	
		Gastrointestinal Surgery	3.1/3.2/3.3/4.1,4.2		1 weeks	
		Oncology surgery	5.1/5.2/5.3/5.4/5.5/5.6/5.7		1 weeks	
		Plastic surgery	6.1/6.2/6.3/6.4		1 weeks	
		Endocrinology and Head and Neck surgeries	7.1/7.2/7.3/8.1/8.2		1 weeks	
End of rotation OSCE	20	Cardiac and thoracic Surgery Pediatric surgery Gastrointestinal surgery Oncology surgery Plastic surgery Endocrinology and Head and Neck surgeries	1.1/1.2/1.3/1.4/1.5/1.6 2.1/2.2/2.3/2.4/2.5/2.6/ 3.1/3.2/3.3/4.1/4.2/5.1/ 5.2/5.3/5.4/5.5/5.6/5.7/ 6.1/6.2/6.3/6.4/7.1/7.2/ 7.3/8.1/8.2	K S C	End of first or second semester	Jordan University Hospital
End of year OSCE	10	Cardiac and thoracic Surgery Pediatric surgery Gastrointestinal surgery Oncology surgery Plastic surgery Endocrinology and Head and Neck surgeries	1.1/1.2/1.3/1.4/1.5/1.6 2.1/2.2/2.3/2.4/2.5/2.6/ 3.1/3.2/3.3/4.1/4.2/5.1/ 5.2/5.3/5.4/5.5/5.6/5.7/ 6.1/6.2/6.3/6.4/7.1/7.2/ 7.3/8.1/8.2	K S C	End of first or second semester	Jordan University Hospital



End of year Oral exam	10	Cardiac and thoracic Surgery Pediatric surgery Gastrointestinal surgery Oncology surgery Plastic surgery Endocrinology and Head and Neck surgeries	1.1/1.2/1.3/1.4/1.5/1.6 2.1/2.2/2.3/2.4/2.5/2.6/ 3.1/3.2/3.3/4.1/4.2/5.1/ 5.2/5.3/5.4/5.5/5.6/5.7/ 6.1/6.2/6.3/6.4/7.1/7.2/ 7.3/8.1/8.2	K S C	End of first or second semester	Jordan University Hospital
Final written exam	40	Cardiac and thoracic Surgery Pediatric surgery Gastrointestinal surgery Oncology surgery Plastic surgery Endocrinology and Head and Neck surgeries	1.1/1.2/1.3/1.4/1.5/1.6 2.1/2.2/2.3/2.4/2.5/2.6/ 3.1/3.2/3.3/4.1/4.2/5.1/ 5.2/5.3/5.4/5.5/5.6/5.7/ 6.1/6.2/6.3/6.4/7.1/7.2/ 7.3/8.1/8.2	K S C	End of academic year (June of each year)	Exam building
** K: Knowledge, S: Skills, C: Competency						

\* According to the instructions for granting a Bachelor's degree.

\*\*According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.

Table is completed on a separate form by course coordinators prior to conduction of each exam according to Accreditation and Quality Assurance Centre procedures and forms

Final exam specifications table

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO Weight	CLO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										1
										2
										3
										4
										5





## 26. Course Requirements:

- ✓ Seminar rooms
- ✓ Outpatient clinics
- ✓ Inpatient hospital
- ✓ Internet connection
- ✓ Online educational material using Moodle (Electronic Videos and Activities)
- A simulated clinical environment for OSCE (Real or Simulated Patients)

### Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- ✓ Morning educational rounds
- ✓ Daily seminars
- ✓ History taking and physical examinations
- ✓ Closing rounds
- ✓ Discussion sessions and forums
- ✓ Daily live meetings through Microsoft teams
- Attending surgeries at theaters

## 27. Course Policies:

### A- Attendance policies:

Attendance will be monitored by the course coordinator. Attendance policies will be announced at the beginning of the course.

### B- Absences from exams and handing in assignments on time:

Will be managed according to the University of Jordan regulations. Refer to <http://registration.ju.edu.jo/Documents/daleel.pdf>

### C- Health and safety procedures:

Faculty Members and students must at all times, conform to Health and Safety rules and procedures.

**D- Honesty policy regarding cheating, plagiarism, misbehavior:**

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this course and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies.

**E- Grading policy:**

Grade-point average, Rules are preset by the Faculty and Department Councils

**F- Available university services that support achievement in the course:**

Availability of comfortable lecture halls, data show, internet service and E learning website <https://elearning.ju.edu.jo/> .

**28. References:****Required book (s), assigned reading and audio-visuals:**

- A- L.W. Way. Current Surgical Diagnosis and Treatment. Lange.
- B- D.C. Sabiston. Essentials of Surgery. Saunders.
- C- Schwartz's Principles of Surgery, 10<sup>th</sup> edition by F. Brunicaudi, Dana Andersen, Timothy Billiar.
- D- Bailey & Love's Short Practice of Surgery 27<sup>th</sup> Edition by Norman S. Williams, and P Ronan O'Connell
- E- Browse's Introduction to the Symptoms & Signs of Surgical Disease, 4<sup>th</sup> edition by Norman L. Browse, John Black, Kevin G. Burnand, and William E. G. Thomas.

**F- Recommended books, materials, and media:**

Medical library: textbooks, journals, periodicals/ Web based resources:

G- <https://www.uptodate.com/>

H- [MEDLINE Home \(nih.gov\)](https://pubmed.ncbi.nlm.nih.gov/)

[PubMed \(nih.gov\)](https://pubmed.ncbi.nlm.nih.gov/)

**29. Additional information:**

Name of the Instructor or the Course Coordinator:	Signature:	Date:
: Dr. Abeer Aldiab ...	<i>Abeer Aldiab</i>	21/7/25
Name of the Head of Quality Assurance Committee/ Department	Signature:	Date:
Enas Al-Zayadneh	<i>Enas</i>	11-5-2025
Name of the Head of Department	Signature:	Date:
Prof. Ayman Mismar	<i>Ayman</i>	15/7/2025
Name of the Head of Quality Assurance Committee/ School or Center	Signature:	Date:
Professor Ayman Wahbeh	<i>Ayman</i>	16/7/2025
Name of the Dean or the Director	Signature:	Date: