Syllabus*: General Surgery (1) (0161502401)

First/Second Semester 2024 /2025

COURSE INFORMATION	
Course Name: general surgery 1 **Semester:** 4th year, first & second **Department:** Department of general and special surgery **Faculty: Medicine**	**Course Code: 0161502401** **Section:** General surgery **Core Curriculum**: Practical sessions and Lectures
Day(s) and Time(s): Sunday till Thursday 8:00-15:00 **Classroom:** **:** Prince Hamzah hospital, Al Basheer hospital, Queen Alia military hospital, New Zarqa governmental hospital, king Hussein medical center	**Credit Hours:** 8 **Prerequisites**: 4th year medical student

COURSE DESCRIPTION

In this eight-week surgical rotation, 4th year medical students will be introduced to the basic principles of surgery and related diseases. Students rotate with surgical teams at various hospitals that are affiliated to the medical school of the university. The rotation consists of four blocks. Each block is two weeks long. During the rotations, students will have intense clinical experience in pre-, peri-, and post-operative evaluation and management of surgical diseases. During their rotation they will be involved in Daily rounds and faculty interactions give students the opportunity to discuss patient problems in detail. Faculty members provide students with regular feedback, advice, and direction. Also, they will have a good time to spend it in the surgical wards, surgical outpatient clinics, emergency room, and the operating room. The student also will present seminars on different surgical topic under the supervision of one of the faculty staff. The curriculum is defined by its general and specific learning objectives.

DELIVERY METHODS

The course will be delivered through a combination of active learning strategies. These will include:

- PowerPoint lectures and active classroom-based discussion
- Supervised direct interaction with the patients
- Bedside clinical teaching by faculty staff
- Collaborative learning through small groups acting in an interdisciplinary context.
- Relevant films and documentaries
- Video lectures
- E-learning resources: e-reading assignments and practice quizzes through Model and Microsoft Team

FACULTY INFORMATION

Name	**Tayseer Ahmad Al-Tawarah**
Academic Title:	**Assistant Professor**
Office Location:	**New Zarqa governmental hospital**
Telephone Number:	**0799886027**
Email Address:	**Tayseer.Al-tawarah@hu.edu.jo**
Office Hours:	**Monday** 12:30-13:30 **Wednesday** 12:00-14:00 *Please send an e-mail) to Tayseer.Al-tawarah@hu.edu.jo* *meet at any other time*

REFERENCES AND LEARNING RESOURCES

Required Textbook: List book or state: There is no required textbook for purchase. All compulsory weekly readings are available electronically on Model.

Suggested Additional Resources

- Bailey and Love's Short Practice of Surgery by Norman S Williams, Christopher J.K. Bulstrode, and P Ronan O'Connell.
- Browse's Introduction to the Symptoms & Signs of Surgical Disease - by Norman L. Browse, John Black, Kevin G. Burnand, and William E. G. Thomas.
- Schwartz's Principles of Surgery, by F. Brunicardi, Dana Andersen, Timothy Billiar, and David Dunn.
- Sabiston Textbook of Surgery: Sabiston Textbook of Surgery: The Biological Basis of Modern Practicsurgical Practice, by Courtney M. Townsend Jr. MD, R. Daniel Beauchamp MD, B. Mark Evers MD, and Kenneth L. Mattox MD

Useful Web Resources : up to date

STUDENT LEARNING OUTCOMES MATRIX*

Core Curriculum Learning Outcomes	Program Learning Outcomes	Course Objectives	Course Student Learning Outcomes	Assessment Method
Think critically and creatively in a variety of methods in order to make decisions and solve problems	Apply critical thinking and demonstrate problem-solving skills in two or more of the major fields of general surgery Demonstrate sufficient knowledge in basic biomedical and clinical medical sciences	1.Develop an understanding of the basic principles of the major branches of general surgery.	1. Take pertinent detailed history and perform thorough clinical examination	• Daily evaluation • Written exams • OSCE • Mini–OSCE
		2. Obtain a thorough foundation in the various fields of general surgery.	2. Demonstrating an adequate knowledge of surgical diseases .	• Daily evaluation • Written exams • OSCE • Mini-OSCE
Communicate competently with others using oral and and written English skills	Use modern literature search methods to obtain information about general surgery topics and write reports. Demonstrate good interpersonal and communication skills with patients, families as well as with medical and health professional teams	Obtain an understanding of the role of general surgery in medical disciplines	Acquire the ability to learn independently; articulate the importance of independent learning for future professional development	• "On-line" reading • assignments
Demonstrate competency in the use of research skills and various information sources	Communicate results to general surgery, other clinicians and to public.	Acquire positive attitudes towards further studies in general surgery and towards the application of	Develop a positive attitude towards general surgery and its applications in medicine, and towards further study and lifelong learning.	Research project

		general surgery in medicine		
Ethics and Professionalism	Demonstrate a high professional attitude and appraisal of ethical principles in medical care practices and patient rights			

*** يتم تعديلها وفقا لما يتم تحديده لكل مساق بالتنسيق مع الكلية والقسم المعني**

ACADEMIC SUPPORT

It is The Hashemite University policy to provide educational opportunities that ensure fair, appropriate and reasonable accommodation to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities are encouraged to contact their Instructor to ensure that their individual needs are met. The University through its Special Need section will exert all efforts to accommodate for individual's needs.

Special Needs Section:
Tel:
Location:
Email:

COURSE REGULATIONS

Participation

Class participation and attendance are important elements of every student's learning experience at The Hashemite University, and the student is expected to attend all classes. A student should not miss more than 15% of the classes during a semester. *Those exceeding this limit of 15% will receive a failing grade regardless of their performance*. It is a student's responsibility to monitor the frequency of their own absences. **Attendance record begins on the first day of class irrespective of the period allotted to drop/add and late registration. It is a student's responsibility to sign-in; failure to do so will result in a non-attendance being recorded.**

In exceptional cases, the student, with the instructor's prior permission, could be exempted from attending a class provided that the number of such occasions does not exceed the limit allowed by the University. The instructor will determine the acceptability of an absence for being absent. A student who misses more than 25% of classes and has a valid excuse for being absent will be allowed to withdraw from the course.

Plagiarism

Plagiarism is considered a serious academic offence and can result in your work losing marks or being failed. HU expects its students to adopt and abide by the highest standards of conduct in their interaction with their professors, peers, and the wider University community. As such, a student is expected not to engage in behaviours that compromise his/her own integrity as well as that of the Hashemite University.

Plagiarism includes the following examples and it applies to all student assignments or submitted work:

- **Use of the work, ideas, images or words of someone else without his/her permission or reference to them.**
- **Use of someone else's wording, name, phrase, sentence, paragraph or essay without using quotation marks.**
- **Misrepresentation of the sources that were used.**

The instructor has the right to fail the coursework or deduct marks where plagiarism is detected

Late or Missed Assignments

In all cases of assessment, students who fails to attend an exam, class project or deliver a presentation on the scheduled date without prior permission, and/or are unable to provide a medical note, will automatically receive a fail grade for this part of the assessment.

- Submitting a term paper on time is a key part of the assessment process. Students who fail to submit their work by the deadline specified will automatically receive a 10% penalty.

Assignments handed in more than 24 hours late will receive a further 10% penalty. Each subsequent 24 hours will result in a further 10% penalty.

- In cases where a student misses an assessment on account of a medical reason or with prior permission; in line with University regulations an incomplete grade for the specific assessment will be awarded and an alternative assessment or extension can be arranged.

Student Complaints Policy

Students at The Hashemite University have the right to pursue complaints related to faculty, staff, and other students. The nature of the complaints may be either academic or non-academic. For more information about the policy and processes related to this policy, you may refer to the students' handbook.

COURSE ASSESSMENT

Course Calendar and Assessment

Students will be graded through the following means of assessment and their final grade will be calculated from the forms of assessment as listed below with their grade weighting taken into account. The criteria for grading are listed at the end of the syllabus

Assessment	Grade Weighting	Deadline Assessment
OSCE	10%	End of rotation
Mini -OSCE	15%	End of rotation
Oral Exam	10%	End of rotation
MCQ -exam	45%	End of the year
Evaluation	% 20	Daily

Description of Exams

Test questions will predominately come from material presented in the lectures. Semester exams will be conducted during the regularly scheduled lecture period. Exam will consist of a combination of multiple choice, short answer, match, true and false and/or descriptive questions.

Grades are not negotiable and are awarded according to the following criteria*:

Letter Grade	Description	Grade Points
A+	Excellent	4.00
A		3.75
A-		3.50
B+	Very Good	3.25
B		3.00
B-		2.75
C+	Good	2.50
C		2.25
C-		2.00
D+	Pass	1.75
D	Pass	1.50
F	Fail	0.00
I	Incomplete	-

*** يمكن التعديل حسب طبيعة البرنامج (بكالوريوس/دراسات عليا)**

WEEKLY LECTURE SCHEDULE AND CONTENT DISTRIBUTION

"Lecture hours and weeks are approximate and may change as needed"

The esophagus
Gastric neoplasms
Peptic ulcer disease complications & management
Gallbladder and obstructive jaundice
Anal and perianal conditions
Approach to upper and lower GI bleeding
Approach to intestinal obstruction

Salivary glands disorders and Adrenal glands disorders
Thyroid , parathyroid and thyroglossal Tract disorders
Pancreatitis
Approach to neck swelling
Surgical infections and Antibiotics prophylaxis in surgery
Benign conditions of the liver and Hydatid Disease
Diverticulosis and Mesenteric ischemia
Approach to abdominal mass
Hernias and abdominal wall defects

Inflammatory bowel disease
Colonic ,rectal and anal tumors
Morbid Obesity

Approach to patient with Acute abdomen
Approach to patient with jaundice
Skin tumors and principles of plastic surgery

Shock and critical care

Gastrointestinal stomas and fistulas
Aneurysms and vascular anomalies
Peripheral vascular occlusive diseases
Venous and lymphatic disorders
Premalignant and Malignant breast diseases
Benign breast disorders
Approach to breast pathology clinical and radiological assessment
principles of breast cancer management
Approach to patient with breast lumps and nipple discharge
breast Anatomy and physiology
Neonatal intestinal obstruction and pyloric stenosis
Congenital anorectal anomalies and hirschsprung disease
Pediatric inguinoscrotal conditions
Anterior abdominal wall defects and Congenital malrotation
Pediatric acute abdomen and emergent Surgical conditions
Approach to Pediatric patient with abdominal mass
Lung cancer
Pleural disorders
Mediastinal disorders
Management of solitary pulmonary nodule
Thoracic trauma
Fluids, electrolytes and acid base balance
Burn
Wound healing

The vermiform appendix
Diabetic Foot
Perioperative care and postoperative complications
Nutrition in Surgical patient
Small intestine conditions
Malignant tumors of liver and pancreas
Approach to patient with abdominal trauma
Blood products and blood transfusion
Protection against DVT and PE in Surgical patient

ASSESSMENT RUBRICS

Assessment Rubrics to be determined by the department. Add samples below.

Classroom Participation: Oral Presentation										
Element	**Excellent**			**Satisfactory**			**Needs Improvement**			**Points**
	8	**7**	**6**	**5**	**4**	**3**	**2**	**1**	**0**	
Organization	▪ There is logical sequence of information ▪ Title slide and closing slide are included appropriately	- uses readings to support points; - often articulates "fit" of readings with topic at hand		▪ There is some logical sequence of information. ▪ Title slide and closing slides are included.	- sometimes uses readings to support points; - occasionally articulates "fit" of readings with topic at hand.	- rarely uses readings to support points; - rarely articulates "fit" of readings with topic at hand	▪ There is little or no logical sequence of information ▪ Title slide and/or closing slides are not included.	- cannot use readings to support points; - cannot articulate "fit" of readings with topic at hand.		
Slide Design (text, colors, background, illustrations, size, titles, subtitles)	▪ Presentation is attractive and appealing to viewers.	- always a willing participant; - responds frequently to questions; - routinely volunteers point of view .	- often a willing participant; - responds occasionally to questions; - occasionally volunteers point of view .	▪ Presentation is somewhat appealing to viewers.	- somewhat willing participant, - rarely able to respond to questions; - rarely volunteers point of view .	▪ Little to no attempt has been made to make presentation appealing to viewers.	- never a willing participant - unable to respond to questions; - never volunteers point of view .			
Content	▪ Presentation covers topic completely and in depth. ▪ Information is clear, appropriate, and accurate.	-always a willing participant; -acts appropriately during all role plays;	-often a willing participant; -acts appropriately during role plays;	▪ Presentation includes essential information. ▪ Some information is somewhat confusing, incorrect, or flawed.	-rarely a willing participant. -occasionally acts inappropriately during role plays;	▪ Presentation includes little essential information. ▪ Information is confusing, inaccurate, or flawed.	-never a willing participant -acts inappropriately during role plays;			
Language	▪ Spelling, grammar, usage, and punctuation are accurate ▪ Fluent and effective	- responds frequently to questions; -always volunteers point of view. -always prepared;	- responds occasionally to questions; -occasionally volunteers point of view. - rarely unprepared;	▪ There are minor problems in spelling, grammar, usage, and/or punctuation. ▪ There was some difficulty communicating ideas due to poor voice projection, lack of preparation, incomplete work, and/or insufficient eye contact.	- rarely volunteers point of view . -often unprepared;	▪ There are several errors in spelling, grammar, usage, and/or punctuation. ▪ Lesson not fluent and effective.	- never volunteers point of view. - rarely prepared;			
Delivery	▪ Ideas were communicated with enthusiasm, proper voice projection and clear delivery; - always arrives on time; ▪ There was sufficient eye contact with the audience. ▪ There was sufficient use of non-verbal communication skills. ▪ Appropriate delivery pace was used.	- rarely arrives late; - occasionally solicits instructors' perspective outside class .	▪ There was some difficulty communicating ideas due to poor voice projection, lack of preparation, incomplete work, and/or insufficient eye contact. ▪ Insufficient use of non-verbal communication skills. ▪ Delivery pace is somewhat appropriate.	- occasionally arrives late; - rarely solicits instructors perspective outside class .	▪ There was difficulty communicating ideas due to poor voice projection, lack of preparation, incomplete work, and/or little or no eye contact. ▪ No use of non verbal communication skills. ▪ Inappropriate delivery pace was used.	- often arrives late; - never solicits instructors perspective outside class .				

Interaction with Audience	▪ Answers to questions are coherent and complete. ▪ Answers demonstrate confidence and extensive knowledge.	▪ Most answers to questions are coherent and complete. ▪ Answers somehow demonstrate confidence and extensive knowledge.	▪ Answers to questions are neither coherent nor complete. ▪ Is tentative or unclear in responses.	
	Total Score (Y x 5/16) =			

- ***يمكن اجراء التعديلات المناسبة حسب طبيعة المقرر وبالتنسيق مع الكلية المعنية وتحديد أنواع التعلم بوضوح (الكتروني، مدمج، وجاهي) ونماذج التعلم (نسبة التعلم الوجاهي الى الألكتروني ونسبة التعلم المتزامن الى غير المتزامن) التي سوف يتم اتباعها أثناء تدريس المساقات وبما يتوائم مع نسب الادماج المشار اليها في كتاب مجلس التعليم العالي رقم مع/1427. .***