

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	General Surgery (2) (Senior)
Course number	MDCN6622
Faculty	
Department	
Course type	Major Needs
Course level	6
Credit hours (theoretical)	6
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - Knowledge acquisition: The course aims to provide students with a comprehensive understanding of the principles, theories, and concepts related to General Surgery.
- 2 - Surgical skills development: Students acquire hands-on experience and technical skills necessary for performing common surgical procedures.
- 3 - Decision-making and judgment: Students are encouraged to develop critical thinking skills to evaluate surgical options and make informed decisions. They learn to assess the risks and benefits of surgical interventions, consider alternative treatments, and develop a patient-centered approach to surgical care.
- 4 - Professionalism and ethics: The course emphasize the importance of professionalism, ethical conduct, and effective communication skills in the surgical field. Students learn about patient confidentiality, informed consent, interdisciplinary collaboration, and the role of surgeons in the healthcare team.
- 5 - Continuity of care: Students are taught to provide longitudinal care to surgical patients, understanding the importance of follow-up visits, managing complications, and coordinating care across different healthcare settings.
- 6 - Teamwork and leadership: The course encourages students to work effectively as part of a surgical team, demonstrating leadership qualities and the ability to collaborate with other healthcare professionals.

Intended Learning Outcomes

Knowledge and Understanding	* Recognize the need for continued professional development and lifelong learning in the field of General Surgery, staying updated with advances in surgical techniques, technologies, and research
Intellectual Skills	* Develop critical thinking skills to identify and manage surgical emergencies, understanding the principles of triage, resuscitation, and timely intervention
Professional Skills	* Demonstrate professionalism and ethical behavior in the surgical setting, respecting patient autonomy, maintaining confidentiality, and exhibiting appropriate behavior towards colleagues and healthcare staff
General Skill	* Apply principles of perioperative care, including pre-operative optimization, intraoperative management, and post-operative monitoring and management

Course Contents

- 1 - Surgical Lectures: Didactic lectures covering essential topics in General Surgery, including specific surgical conditions, principles of surgical management, and surgical techniques
- 2 - Surgical Skills Workshops: which includes hands-on training to develop and improve surgical skills, and simulation-based training using surgical models or virtual reality platforms to practice basic and advanced surgical procedures
- 3 - Clinical rotations in surgical departments or surgical specialty services, providing opportunities for direct patient care, observation of surgeries, and participation in patient management

Teaching and Learning Methods

- 1 - Lectures: Didactic lectures delivered by experienced surgeons or faculty members provide an overview of the theoretical concepts, principles, and surgical techniques relevant to General Surgery. Lectures may include the use of multimedia presentations, visuals, and case studies to enhance understanding
- 2 - Clinical Rotations: Clinical rotations allow students to gain firsthand experience by observing surgeries, participating in patient care, and assisting in surgical procedures under supervision.
- 3 - Simulation-based Learning: Simulation-based learning uses realistic virtual or physical environments to replicate surgical scenarios.
- 4 - Case-based discussions to analyze and discuss surgical cases, including pre-operative evaluation, surgical decision-making, and post-operative management.
- 5 - Moring Rounds: participation in surgical grand rounds, where interesting or challenging surgical cases are presented and discussed by faculty and students.
- 6 - Bedside sessions provide valuable opportunities for faculty or senior surgeons to engage medical students in discussions focused on specific surgical cases, and application of history taking and physical examination skills.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Theoretical multiple-choice question (MCQ) exams	2 Hours	50
OSCE (Objective Structured Clinical Examination) static stations	45 minutes	20
OSCE (Objective Structured Clinical Examination) dynamic stations	45 minutes	20
Clinical rotations attendance		10

Books and References

Course note	Schwartzs Principles of Surgery
Essential books	Bailey & Loves Short Practice of Surgery, 27th Edition Browns Introduction to the Symptoms & Signs of Surgical Disease
Recommended books	Surgical Recall

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Lectures, Surgical Skills Workshops, and Clinical rotations	6 weeks	Recognize the need for continued professional development and lifelong learning in the field of General Surgery, staying updated with advances in surgical techniques, technologies, and research	Develop critical thinking skills to identify and manage surgical emergencies, understanding the principles of triage, resuscitation, and timely intervention	Recognize the need for continued professional development and lifelong learning in the field of General Surgery, staying updated with advances in surgical techniques, technologies, and research	Identify and manage common surgical complications, understanding the principles of wound healing, infection control, and post-operative pain management