



Course Specification: General Surgery & Surgical Specialties (1517)

Brief Description

5th-year medical course consisting of 377 total credit hours (123 lecture hours, 192 practical/clinical training hours, and 62 discussion seminar hours) covering General Surgery, Orthopaedic Surgery, Burns & Reconstructive Surgery, Thoracic Surgery, Neurosurgery, Urogenital Surgery, Paediatric Surgery, Otorhinolaryngology (ENT), and Anesthesia and Intensive Care.

Learning outcomes

Knowledge and Understanding

- 1: Discuss the etiology, pathophysiology, clinical features, investigation, and management plans of the common surgical disorders taught in all surgical specialties (General surgery, Pediatrics surgery, Urology, Neurosurgery, Cardiovascular and Thoracic, ENT, Plastic, and Orthopedic surgery).
- 2: Explain the etiology, pathophysiology, clinical features, investigation, and management plans of various surgical emergencies.
- 3: Discuss the principles of Operative surgery, including perioperative evaluations, post-operative complication/care, and use of anesthetic agents.
- 4: Identify the concepts of evidence-based medicine and team dynamics.

Intellectual skills

- 1: Generate a list of differential diagnoses with management plans of common surgical diseases.
- 2: Design a management plan for patients with surgical emergencies.
- 3: Evaluate surgical patients' condition during surgery.
- 4: Analyze their roles and responsibilities inside their teams.



Practical and Professional skills

- 1: Obtain a comprehensive, focused surgical history and physical findings from the patient by performing a physical examination in outpatient and inpatient settings.
- 2: Obtain a comprehensive and focused surgical history and physical findings from the patient by performing a physical examination in emergency settings.
- 3: Document perioperative and postoperative complications.
- 4: Conduct self- and lifelong learning strategies throughout the course.

General & Transferable skills

- 1: Communicate effectively with patients and their relatives, colleagues, and senior doctors.
- 2: Apply ethical considerations in dealing with their seniors and colleagues.
- 3: Manage their time effectively.
- 4: Discuss ethical considerations in dealing with surgical patients.

Teaching and learning methods

- Illustrated lectures
- Bedside Clinical Teachings
- Tutorials
- Case-based learning
- Flipped classroom
- Blended learning

Methods of evaluation

- Midterm Written Exam (MCQs, Slide Presentations)
- Clinical Case Examination
- Formative Assessment (Case-based study)
- Final Written Exam (MCQs - Paper 1 & Paper 2)
- Final Practical Exam (Clinical Cases and OSCE)
- Final Oral Exam (Structured viva voce)



University of Benghazi
Faculty of Medicine
Department of Surgery



References

- *Bailey & Love's Short Practice of Surgery*, by Norman S. Williams, P. Ronan O'Connell, Andrew McCaskie. 28th Edition 2023. Taylor and Francis (CRC Press).
- *Browse's Introduction to the Symptoms & Signs of Surgical Disease*, by James A. Gossage, Matthew F. Bultitude, Steven A. Corbett. 6th Edition 2021. Taylor and Francis (CRC Press).
- *Hamilton Bailey's Demonstration of Physical Signs in Clinical Surgery*, by John Lumley, Anil K D'Cruz, Jamal J Hoballah, Carol E H Scott-Conner. 19th Edition 2016. Taylor and Francis (CRC Press).
- *Schwartz's Principles of Surgery ABSITE and Board Review*, by F. Brunickardi, Dana Andersen, et al. 11th Edition 2022. McGraw Hill / Medical.
- *General Surgery Lecture Notes*, by Harold Ellis, Sir Roy Calne, Christopher Watson. 13th Edition 2016. Wiley Blackwell.
- *Oxford Handbook of Clinical Surgery*, by Greg McLatchie, Neil Borley, Anil Agarwal, Santhini Jeyarajah, et al. 5th Edition 2022. Oxford University Press.