

MODULE SPECIFICATIONS

Surgery II

(Basics of General Surgery)

2025-2026



Module Specifications

Benha University **Faculty of Medicine**

Program on which the module is given Bachelor of Medicine & Surgery (Integrated program 5+2)

Department offering the module: Surgery, Pathology, Anesthesia, and Radiology departments.

Academic year / Level: Year 4

Date of specification approval: **Faculty Board No . 446, Date 23-10-2020**

A- Basic Information

- **Title: Surgery (11)**
- **Code: SURG 421**
- **Credit hours : 3 Credit hours**
- **Lecture: 14 hours**
- **Tutorial: 12 (12x2=24 hours)**
- **Clinical rounds & Skill lab : 18 (18x3= 54 hours)**
- **Case Oriented Learning: 8 (8x2=16 hours)**
- **Total: 52 h (108 h)**

B- Professional Information

1 – Overall Aims of Module:

At the end of this module the student will be able to acquire:

- Basic scientific knowledge essential to practice Surgery at the primary health care and different specialties of surgery, with proper awareness of the social and community prosperities.
- Clinical, practical, and administrative skills essential for proper management of the common surgical problems in his/her community.
- Basic ethical, professional and communication skills essential for establishing & maintaining good doctor/ patient relationship, appropriate attitudes with colleagues and para-medicals.
- Lifelong learning competencies necessary for continuous professional development including self-learning and principles of medical research.
- Managerial and leadership skills to be an effective member of health care system, to promote human wellbeing and contribute to the development of the community.

2 – Competencies:

	Module I	Competency	
1	Oral Cavity	1	<p>1.12.1. Mention D.D. Cleft (Hare) Lip & Cleft palate,</p> <p>1.12.2. Explain common ulcers of the Tongue,</p> <p>1.12.3. Discuss cancer tongue,</p> <p>1.12.4. Describe the Zenker's Diverticulum and Explain laryngocele.</p> <p>1.12.5. Mention management of cleft (hare) lip & cleft palate, outline management of faciomaxillary trauma & inflammation and explain in details management of jaw tumors.</p> <p>1.12.6. Explain management of common ulcers of the Tongue & cancer tongue, outline management of Infections of the Pharynx, Zenker's Diverticulum, and laryngocele.</p>

2	Salivary Gland	I	<p>1.13.1. Describe inflammatory disorders of Salivary glands.</p> <p>1.13.2. Discuss sialolithiasis and Clarify DD between Neoplasms of Salivary glands.</p> <p>1.13.3. Describe Outline management of Trauma of Salivary glands and inflammatory disorders of salivary glands.</p> <p>1.13.4. Discuss Sialolithiasis and Clarify management of Neoplasms of Salivary glands.</p>
		11	<p>2.13.1. Classify different health risks (demographic, occupational and environmental) that place individuals at risk for Salivary gland disorders.</p>
		1V	<p>4.13.1. Explain the etiology and the pathogenesis of salivary gland tumors.</p> <p>4.13.2. Formulate specific clinical sheets suitable for specific clinical situations to deal with common types of clinical Salivary gland problems that could be met with in clinical practice.</p>
3	Imaging tools	I	<p>1.14.1. Short account on different diagnostic imaging tools</p> <p>1.14.2. Describes comment on any CT scan</p>
		1V	<p>4.14.1. Interpret common investigative and diagnostic tools including imaging, electrocardiograms, laboratory assays, pathologic studies and functional assessment tests.</p>
4	Tissue Diagnosis	1	<p>1.15.1. Mention aim for tissue analysis,</p> <p>1.15.2. List Types of tissue samples, describe histological processing, explain storage of the specimen,</p> <p>1.15.3. Outlines Principles of microscopic diagnosis and discuss different types of biopsies.</p> <p>1.15.4. Mention different types of biopsies.</p>
5	Stem cell Therapy	1	<p>1.16.1. Clarify definition of stem cells,</p> <p>1.16.2. List Types & Source of stem cells,</p> <p>1.16.3. Mention Markers for stem cells</p> <p>1.16.4. List Indications & Complications of stem cell transplantation.</p> <p>1.16.5. Enumerate Types of stem cell transplantation, Mention Markers for stem cells and List Indications & Complications of stem cell transplantation.</p>

6	Laparoscopy & Robotic Surg.	1	<p>1.17.1. List Advantages of laparoscopy, 1.17.2. Mention its limitations (drawbacks), 1.17.3. Explain instruments used and describe steps of pneumo-peritoneum creation and explain Robotic Surgery. 1.17.4. Outline Intra-operative principle of laparoscopy and explain Robotic Surgery..</p>
7	Organ Transplantation	1	<p>1.18.1. Enumerate Types of organ donors, 1.18.2. Mention Specific organ criteria, 1.18.3. Identify contraindications to organ transplantation, 1.18.4. Outline Preoperative diagnosis and Discuss Graft rejection. 1.18.5. Enumerate Preoperative management and Discuss Graft rejection.</p>
8	Oncology	1	<p>1.19.1. List Classification of tumors, 1.19.2. Mention biology of cancer & describe tumor spread and discuss diagnosis of tumors. 1.19.3. Clarify management of tumors.</p>
		v	<p>5.19.1. Practice leadership skills during the learning environment and practical sessions. 5.19.2. Know his/her own personal and professional limits and consult other colleagues and supervisors when necessary. 5.19.3. Identify his/her own personal and professional weakness points and consult supervisors if necessary. 5.19.4. Document clinical conditions in an accurate, complete, timely, and accessible manner, in accordance with regulatory and legal requirements. 5.19.5. Report cases in practice under cover of regulatory and legal requirements. 5.19.6. Achieve roles of quality in practice with continuous improvement.</p>
9	. Implants & Bypass surgery.	1	<p>1.20.1. Discuss Implants in surgery 1.20.2. Mention different types of bypasses in surgery. 1.20.3. Explain definition of day case surgery, 1.20.4. Mention desirable features and advantages of the unit, 1.20.5. Discuss Implants in surgery and mention different types of bypass in surgery.</p>

10	Day Case Surgery	1	<p>1.21.1. Enumerate selection criteria and the problems of day case surgery,</p> <p>1.21.2. List Suitable operations and contraindications of day case surgery,</p> <p>1.21.3. Mention Postoperative morbidity& explain guidelines for safe discharge.</p> <p>1.21.4. Apply rational management strategies for common medical conditions taking in consideration the patient safety.</p> <p>1.21.5. Apply rational management strategies for common surgical procedures taking in consideration the patient safety.</p> <p>1.21.6. Explain Suitable operations and contraindications of day case surgery, Mention Postoperative morbidity, Explain Guidelines for safe discharge.</p> <p>1.21.7. Use methods of pain relief for seriously ill patients including pharmacological & non-pharmacological procedures to ameliorate pain for life quality.</p> <p>1.21.8. Apply stepladder protocol of pain management in the postoperative period.</p>
11	Surgical Aud	1	1.22.1. Describe definition of surgical audit, List Reasons for Audit, Mention Functions of Audit, Enumerate Types of Clinical Audit and Describe Stages of clinical audit.
		VI	<p><i>6.22.1. Adopt inter-professional and a personal learning plan to remain current with advances in knowledge and practice.</i></p> <p><i>6.22.2. Engage and revise personal learning plan to improve professional practice.</i></p> <p><i>6.22.3. Understand the scientific principles of research including its ethical aspects and scholarly inquiry and participate in the research study.</i></p> <p><i>6.22.4. Keep roles of research including its ethical aspects and scholarly inquiry.</i></p> <p><i>6.22.5. Integrate the principles of statistical methods for analysis of all types of data.</i></p> <p><i>6.22.6. Apply the principles of statistical methods for analysis of all types of data</i></p>
12	Surgical Ethic	I	<p>1.23.1. Define Informed Consent, Explain the information of the Consent, Describe Valid Consent and Mention Practical difficulties.</p> <p>1.23.2. Respect autonomy of the patients related to different surgical interventions.</p>
		III	3.23.1. Complies with the professional standards, laws governing medical practice and requirements of national code of ethics issued by the Egyptian Medical Syndicate.

Module II: 3c.h, 4th y, 1st Semester

Date	1 st we ek	Tuto rial	Practical	Skill lab	CBL	Lecture Topic	Staff
sun 26-4		<u>Plain</u> <u>X-ray</u> <u>Mamm</u> <u>ogram</u> <u>Contra</u> <u>st X-</u> <u>ray(B)</u>	Biopsy types, How to Write pathology request/ & read pathology report(B) A1 Ass.L Hossam Alaa A2 Ass.L Mohamed Khaled A3 Ass.L Hamdy Hassan	FNAC, Core needle biopsy		Tumors	أ د محمد محمود دعيس
Total teaching hours		1	1	1	-	1	4

Date	2 nd week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff	
						Imaging tools	Radiology department	
Sat 2-5		<u>Plain X-ray Mammogram Contrast X-ray(A)</u>	Biopsy types, How to Write pathology request/ & read pathology report(A) A1 Ass. L Ahmed Elewa A2 Ass.L Mohamed hamdy A3 Ass.L Ahmed sabry	FNAC, Core needle biopsy	Specimen marking and orientation			
Sun 3-5		<u>CT, MRI, MRA Ultrasound, Doppler, Duplex(B)</u>	Ventral hernia (B) A1 Ass. L Mostafa shebl A2 Ass.L Mohamed Moharm A3 Israa Elbazz		Imaging tools	Tissue diagnosis	Pathology department	
Total teaching Hours		2	2	1	2	2		9

Date	3 rd week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff
Sat 9-5		<u>CT, MRI, MRA Ultrasoun d. Doppler, Duplex(A)</u>	Ventral hernia (A) A1 Ass.L Hossam Alaa A2 Ass.L Mohamed Khaled A3 Ass.L Hamdy Hassan		Imaging tools	Organ transplantation Bypass in surgery	أم د شريف القفاص
Sun 10-5	<u>ERCP, MRCP(B)</u>	Inguinal hernia (B) A1 Ass.L Ahmed Hamza A2 Ass.L Israa Elbazz A3 Ass.L Ibrahim Eid		Tumor cases & Pathology report	أم د ايمن التهامي		
Mon 18-5	<u>امتحان اعمال السنه</u>						
Total teaching Hours	2	2		2	2	8	

Date	4 th week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff	
Sat 23-5		<u>ERCP, MRCP(A)</u>	<u>Inguinal hernia (A)</u> A1 Ass. L Ahmed Elewa A2 Ass.L Mohamed hamdy A3 Ass.L Ahmed sabry		Tumor cases & Pathology report	Implants and Bypass surgery	أم د علا سيف	
Sun 24-5			<u>Other types of hernia (B)</u> A1 Ass. L Mostafa shebl A2 Ass.L Mohamed Moharm A3 EbrahIm Eid	Meshes & Vascular grafts	Liver transplantation	Stem cell therapy	أم د محمد ابوالنصر	
Total teaching Hours		1	2	1	2	2		8

Date	5 th week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff	
Sat 30-5			<u>اجازة عيد الأضحى</u>					
Sun 31-5			<u>Morbidity and mortality meetings (B)</u> A1 Ass.L Ahmed Hamza A2 Ass.L Israa Elbazz A3 Ass.L Ibrahim Eid	Laparoscopic set up		Robotic surgery	أم د عمرو جمال	
Total teaching Hours			2	2	1	2		7

Date	6 th week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff	
		Sat 6-6	<u>Other types of hernia (A)</u> A1 Ass.L Hossam Alaa A2 Ass.L Mohamed Khaled A3 Ass.L Hamdy Hassan		Meshes & Vascular grafts	Liver transplantation	Surgical ethics	
sun 7-6	<u>Morbidity and mortality meetings (A)</u> A1 Ass. L Ahmed Elewa A2 Ass.L Mohamed hamdy A3 Ass.L Ahmed sabry		Laparoscopic set up		Minimally invasive surgery	أم د محمد السيد		
Total teaching Hours		2		2		2		6

Date	7 th week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff	
		Sat 13-6	Scrotum (A) A1 Ass.L Hossam Alaa A2 Ass.L Mohamed Khaled A3 Ass.L Ahmed Elewa		Diathermy , Ligasure and Harmonic			
sun 14-6		Scrotum (B) A1 Ass. L Mostafa shebl A2 Ass.L Mohamed Moharm A3 Hamdy Hassan		Diathermy , Ligasure and Harmonic		Surgical Audit	أم د محمد عطيه	
Total teaching hours		1		1		1		3

Date	8 th week	Tutorial	Practical	Skill lab	CBL	Lecture Topic	Staff	
		Sat 20-6	Pain control (B) A1 Ass. L Ahmed Elewa A2 Ass.L Mohamed hamdy A3 Ass.L Ahmed sabry		STAPLERS			
Sun 21-6	Pain control (A) A1 Ass.L Ahmed Hamza A2 Ass.L Israa Elbazz A3 Ass.L Ibrahim Eid		Staplers			Revision	أ د محمد محمود دعيس	
Total teaching hours		2		2		2		6

Teaching hours / 8 weeks	12	8	10	8	14 (24.5%)		52
monday 13-7-2026	Final Exam						
Wednesday 15-7-2026	Clinical exam						

4- Teaching and Learning Methods:

- **Lectures:** On general aspects of surgery, Skin and Salivary glands surgery will serve the purpose of understanding of the general concepts and principles underlying normal and abnormal structure.
- **Modified Lectures:** A modified lecture format, generally presented in a manner of interaction between students and the lecturers, is now commonly presented as video or any aiding materials.
- **Practical sessions.**
- **Tutorials:** Small Group Tutorials on special topics will be organized for the purposes of enhancing the students' general knowledge and overall understanding. It allows students to apply newly acquired knowledge and it is suitable for higher order cognitive objectives.
- **Case Oriented Learning/ Case based learning (CBL):** Clinical presentations will be organized as a series of multi-disciplinary sessions of small-group teaching led by staff from the appropriate clinical departments. These sessions also provide an opportunity for students to see patient-doctor interaction.
- **Directed self-learning (DSL):** The DSL sessions will promote self- learning and thus, time will be available for further study by the students using all available- learning resources including electronic learning materials.
- **Online learning methods:** It is online teaching method using Zoom, Microsoft Teams, and Benha E- Learning platform.

Method of teaching	Evidence
Modified lectures	CDs of lectures including (video films, brain storming, problem solving, etc....)
Online lectures (zoom app.) Lectures on Benha E-learning platform	موقع منصة التعليم الالكتروني الخاص بجامعة بنها https://elearning.bu.edu.eg/

Case Oriented learning	Samples of student activities
Directed self-learning	Samples of student activities
Clinical rounds& skill Lab	Available videos on the platform& Skill lab Logbook

5- Student Assessment Methods:

1- Formative (Continuous assessment):

This form of assessment is designed to give you feedback to help you to identify areas for improvement. It includes a mixture of MCQs, short answer-questions (SAQs), problem-solving exercises .

Summative (Written examination): This type of assessment is used for judgment or decisions to be made about your performance. It serves as:

- Verification of achievement for the student satisfying requirement.
- Motivation of the student to maintain or improve performance.
- Certification of performance.
- Grades.

Assessment Schedule:

Written Exams: will include multiple choice questions (MCQs). These will cover material presented during the lectures, tutorials, case- oriented learning presentations, and DSL. Final examination will be held 10-12 am at the end of duration of module at the main examination Hall.

Mid assessment exam : will be held on the second week of the current module.

OSCE examination: Will be arranged by the departments

Weighting of Assessments:**Type of exam****Periodic exam (30%) (45 Marks)**

- Portfolio 4.5 (6%)
- Mid assessment exam 18 (24%)

Final exam (70%) (105 Marks)

- Practical (Including OSCE) 30% (22.5 Marks)
- Written exam 40% (30 Marks)

Any formative assessments: No grades .

Tool	Evidence
Written examination: <ul style="list-style-type: none"> • MCQs • Case study • True or false 	Attached model of examination
OSCE	Check list
Class activities	Portfolio

6- List of References:

Basic materials:

- Department books by staff members (2018).

Essential books (textbooks):

- Bailey & Love (short practice of surgery): edited by Russell.,R.C.G.,Williams, N.S &Bulstrode,C.J.K.,2018,Arnold-London.
- Clinical surgery, edited by Michael M. Henry & Jeremy N. Thompson, 5th edition, 2017, Elsevier , London & Sydney & Toronto.

Recommended books:

- Surgery For Undergraduates, Basics of General surgery volume (1): prepared by Prof. Dr. El-Sayed Afifi El-Kattan, 2019, Benha University; Benha-Egypt.

Periodicals, Web sites, etc:

- Periodicals: British, American and Egyptian journal of Surgery
- Web sites:
 - <http://www.emedicine.com>.
 - <http://www.midline.com>.
 - <http://www.pubmed.com>.
 - <http://sciencedirect.com>.

7- Facilities Required for Teaching and Learning:

Method	Facilities
Lectures	Lectures halls, Computers, Data show, films
New distance learning	Benha E- learning platform
Practical classes	Clinical cases, Instruments, Skill lab.
Tutorials	Small Halls, Clinical cases.
Case Oriented Learning	Small Halls, Clinical cases.
Directed self -learning(DSL)	EKB

Module Coordinator:

Dr. mahmoud abuelabbas

***Semester Coordinator:**

Prof: Mahmoud Mohamed Deabes;
Head of the General Surgery department.