

Academic Unit Profile

| 1. Academic Unit Name: SUR535 Surgery | | |
|--|--------------------|------------------------|
| 2. Credit/contact hours: | Theory Hours 64 | Practical Hours 690 |
| 3. Number of weeks | 20 weeks | |
| 4. Level/year at which this course is offered: | Y4S2, Y5, S1&S2 | |
| 5. Pre-requisites for this course (if any): Completion of Basic sciences | | |
| 6. Co-requisites for this course (if any): none | | |

Academic Unit Synopsis

The surgical clerkship is intended to allow the students to acquire and consolidate their surgical knowledge, surgical skills, and attitudes. The clerkship capitalizes on knowledge and skills acquired by the medical students from previous pre-clerkship courses and other rotations with emphasis to foster clinical skills by covering the essential surgical problems in order to enable the students to manage those surgical problems in the community after their graduation. Special emphasis will be laid on emergency surgery, traumatology and lifesaving procedures.

Academic Unit Learning Outcomes

| CLOs | | Aligned PLOs |
|------------------|---|--------------|
| Knowledge | | |
| K1 | Describe the causes, manifestations, differential diagnosis of surgical diseases | A1 |
| K2 | Explain the risks and benefits of common surgical procedures | A1 |
| K3 | Discuss the management of surgical patients in the context of a surgical team | A2 |
| Skills | | |
| S1 | Obtain an accurate history of patients presenting with features of what could suggest the possible diagnosis as a surgical problem. | B1 |
| S2 | Communicate with patients (to break bad news and good news) and to obtain informed consent for doing specific procedures | B3 |
| S3 | Interact with other professionals, medical and paramedical in the management of surgical patients. | B3, C2 |

| | | |
|----|---|--------|
| S4 | Perform a complete general and organ specific physical examination of patients presenting with possible surgical problem. | B1 |
| S5 | Demonstrate ability to make working or differential diagnosis | B1 |
| S6 | Select appropriate investigation/investigations to make diagnosis | B2, A2 |
| S7 | Outline briefly the management plan of surgical diseases | B2 |
| | Attitude | |
| A1 | Demonstrate respect of patient's privacy, confidentiality | C4 |
| A2 | Observe the various aspects of patients' safety | C4 |

Academic Unit Content

| No | List of Topics | Contact Hours Theory | Contact Hours Practical |
|--------------|-----------------------------|----------------------|-------------------------|
| 1 | General Surgery | 24 | 360 |
| 2 | Accident & Emergency | 0 | 120 |
| 3 | Ortho/Trauma | 5 | 10 |
| 4 | Vascular Surgery | 5 | 10 |
| 5 | Neurosurgery | 7 | 10 |
| 6 | Plastic Surgery | 3 | 10 |
| 7 | Cardio Thoracic Surgery | 1 | 5 |
| 8 | Urology | 4 | 15 |
| 9 | Anesthesia/Radiology | 2 | 40 |
| 10 | Forensic Medicine | 5 | 0 |
| 11 | ENT | 3 | 20 |
| 12 | Ophthalmology | 5 | 20 |
| 13 | Surgical Skills: Simulation | 0 | 70 |
| Total | | 64 | 690 |

Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes | Teaching Strategies | Assessment Methods |
|------------------|--|---|---|
| Knowledge | | | |
| K1 | Describe the causes, manifestations, differential diagnosis of surgical diseases | Lectures, Discussion, Demonstration of sign on clinical patients. | MCQ-based written exams, Workplace-based assessment. activities using Mini-Cex |
| K2 | Explain the risks and benefits of common surgical procedures | Clinical rounds, case discussions, lectures, clinical skills and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex |
| K3 | Discuss the management of surgical patients in the context of a surgical team | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |
| Skills | | | |
| S1 | Obtain an accurate history of patients presenting with features of what could suggest the possible diagnosis as a surgical problem | Clinical rounds, case discussions, lectures, clinical skills and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios. and final OSCEs |
| S2 | Communicate with patients (to break bad news and good news) and to obtain informed consent for doing specific procedures | Clinical rounds, case discussions, lectures, clinical skills and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and |

| | | | |
|----|---|---|--|
| | | | portfolios and final OSCEs |
| S3 | Interact with other professionals, medical and paramedical in the management of surgical patients. | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |
| S4 | Perform a complete general and organ specific physical examination of patients presenting with possible surgical problem. | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |
| S5 | Demonstrate ability to make working or differential diagnosis | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |
| S6 | Select appropriate investigation/investigations to make diagnosis | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |
| S7 | Outline briefly the management plan of surgical diseases | Clinical rounds, case discussions, lectures, clinical skills and | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source |

| | | simulation lab sessions | feedback using logbooks and portfolios and final OSCEs |
|----------|---|---|--|
| Attitude | | | |
| A1 | Demonstrate respect of patient's privacy, confidentiality | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |
| A2 | Observe the various aspects of patients' safety | Clinical rounds, case discussions, lectures, clinical skills, and simulation lab sessions | MCQ-based written exams, Workplace-based assessment activities using Mini-Clex and multi-source feedback using logbooks and portfolios and final OSCEs |

2. Assessment Tasks for Students

| # | Assessment task* | Week Due | Percentage of Total Assessment Score | Date |
|---|---|-------------------------------|--------------------------------------|--|
| 1 | End of Term (written; MCQs, EMQs, OSPE, and OSCE) Embedded (WBPA) assessment | End of Rotation Weekly | 30% | Term I assessment: 12-13 Jun 2023 Term II assessment: 11-12 Dec 2023 Term III assessment: 29-30 April 2024 |
| 2 | Final (written exam, spotter exam, DOCE and OSCE) | Final | 70% | 15 May 2024 |

Learning Resources and Facilities

1. Learning Resources

| | |
|---------------------------------------|--|
| Required Textbooks | <ul style="list-style-type: none"> • Orthopedic Physical Assessment, 5e by David J. Magee. Saunders • Bailey and Love – Short Practice of Surgery • An introduction to the symptoms and signs of surgical disease - Norman L. Browse • The Manual of clinical objectives in Surgery: Symptoms and Problem based approach. Prof. Abdul Jabbar Mehdi Salih – DMC Publication • Churchill' pocketbook – Surgery - Churchill Livingston |
| Essential References Materials | • |
| Electronic Materials | • |
| Other Learning Materials | |

2. Facilities Required

| Item | Resources |
|--|---|
| Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) | Training sites and Clinical skills laboratory and simulation laboratory |
| Technology Resources (AV, data show, Smart Board, software, etc.) | Online and computer-based digital resources library |
| Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | Volunteers and simulated patients |