

## Course Plan of (General Surgery)

### II. Course Description

This course is designed to provide student with fundamental concepts of surgical intervention and certain disease conditions that require surgical operations.

### A – Theoretical Aspect:

| Order | Units/Topics List                   | Sub Topics List                                                                                                                                                                                                                                                                    | Number of Weeks | Contact hours | Learning Outcomes |
|-------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|-------------------|
| 1     | Introduction to surgery             | <ul style="list-style-type: none"> <li>General surgery principles</li> <li>Tissue repair and replacement</li> <li>Inflammation and infection</li> <li>Disinfection and sterilization</li> <li>Anesthesia</li> <li>Body defense mechanisms</li> <li>Surgical infections.</li> </ul> | 1               | 2             | A1                |
| 2     | Health assessment of surgical cases | <ul style="list-style-type: none"> <li>History</li> <li>Physical exam</li> <li>Documentation of results</li> </ul>                                                                                                                                                                 | 1               | 2             | A2, C1            |
| 3     | Fluid and blood transfusion         | <ul style="list-style-type: none"> <li>Fluid and electrolytes balance</li> <li>Blood transfusion</li> </ul>                                                                                                                                                                        | 1               | 2             | B1                |
| 4     | Perioperative care                  | <ul style="list-style-type: none"> <li>Pre-operative preparation</li> </ul>                                                                                                                                                                                                        | 1               | 2             | A3                |

|    |                   |                                                                                                                                                                                                                   |   |   |                |
|----|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|----------------|
|    |                   | <ul style="list-style-type: none"> <li>▪ Intra-operative care</li> <li>▪ Post-operative care</li> <li>▪ Post operative complications</li> <li>✓ Hemorrhage</li> <li>✓ Shock</li> <li>✓ Wound infection</li> </ul> |   |   |                |
| 5  | Midterm exam      | Midterm exam                                                                                                                                                                                                      | 1 | 2 | A1, A2, A3, B1 |
| 6  | Simple operations | <ul style="list-style-type: none"> <li>▪ Wound suturing</li> <li>▪ Circumcision</li> <li>▪ Open simple abscesses</li> <li>▪ Remove foreign bodies</li> </ul>                                                      | 1 | 2 | A3, B2, C2     |
| 7  | Breast conditions | <ul style="list-style-type: none"> <li>▪ Breast abscess</li> <li>▪ Breast tumor</li> </ul>                                                                                                                        | 1 | 2 | A5             |
| 8  | Bleeding          | <ul style="list-style-type: none"> <li>▪ Bleeding</li> <li>✓ Types</li> <li>✓ Treatment</li> </ul>                                                                                                                | 1 | 2 | A3, C3         |
| 9  | Final exam        | Final exam                                                                                                                                                                                                        | 1 | 2 | A1, A2, A3     |
| 10 | Burns             | <ul style="list-style-type: none"> <li>▪ Definition</li> <li>▪ Types</li> <li>▪ Classification</li> <li>▪ <b>Treatment</b></li> </ul>                                                                             | 1 | 2 | A3             |
| 11 | Shock             | <ul style="list-style-type: none"> <li>▪ Definition</li> <li>▪ Types</li> <li>▪ Classification</li> <li>▪ Treatment</li> </ul>                                                                                    | 1 | 2 | A3             |
| 12 | Trauma            | <ul style="list-style-type: none"> <li>▪ Head trauma</li> <li>▪ Abdominal trauma</li> <li>▪ Refer danger cases</li> </ul>                                                                                         | 1 | 2 | A1, A2         |

|    |                                                |                                                                                                                                                                                                                                                                  |    |    |                    |
|----|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--------------------|
| 13 | Respiratory disorders                          | <ul style="list-style-type: none"> <li>▪ Chest trauma</li> <li>▪ Lung abscess</li> <li>▪ Hemothorax</li> </ul>                                                                                                                                                   | 1  | 2  | A1, A2             |
| 14 | Midterm exam                                   | Midterm exam                                                                                                                                                                                                                                                     | 1  | 2  | A2, A3, A1,        |
| 15 | Digestive disorders                            | <ul style="list-style-type: none"> <li>▪ Disease of esophagus &amp; stomach</li> <li>▪ Disease of liver, gallbladder, pancreas and spleen.</li> <li>▪ Appendicitis</li> <li>▪ Peritonitis</li> <li>▪ Hemorrhoid</li> <li>▪ Fissures</li> <li>▪ Hernia</li> </ul> |    |    | A1, A2             |
| 16 | Orthopedic                                     | <ul style="list-style-type: none"> <li>▪ Dislocation</li> <li>▪ Sprain</li> <li>▪ Strains</li> <li>▪ Fractures</li> <li>▪ Treatments</li> <li>✓ Slings</li> <li>✓ Slab</li> <li>✓ Casts</li> </ul>                                                               | 1  | 2  | A1, A2, A3, B3, C2 |
| 17 | Final exam                                     | Final exam                                                                                                                                                                                                                                                       | 1  | 2  | A1, A2, A3, B3, C2 |
|    | <b>Number of Weeks /and Units Per Semester</b> |                                                                                                                                                                                                                                                                  | 16 | 32 |                    |