1. Course Name:

Basics of surgery

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2025 / 12 / 10

5. Available Attendance Forms:

Weekly (2hrs theoretical & 2hrs practical)

6. Number of Credit Hours (Total) / Number of Units (Total)

30 hrs theoretical
30 hrs practical
5 units

7. Course administrator's name (mention all, if more than one name)

Dr. Zahir ABDULJABBAR Abdullah

8. Course Objectives

Course Objectiv	**Detailed objectives:** **1. Knowledge & Understanding:** **Understand general surgical principles: classification of surgeries, patient preparation, an** **.(infection control)asepsis/antisepsis** **.Learn basic surgical anatomy related to common procedures & essential surgical terminology ·** **.Identify the roles of the surgical team and potential general complications ·** **2. Application & Skills:** **.Correlate the surgical procedure with appropriate anesthesia planning ·** **.Recognize surgical instruments and procedural flow to anticipate surgical needs ·** **.Understand principles for assisting in patient preparation and positioning for surgery ·** **3. Professionalism & Attitude:** **.Instill values of safety, professionalism, and adherence to operating room protocols ·** **.Emphasize clear communication within the surgical team ·** **.Develop a sense of shared responsibility for patient care ·**

9. Teaching and Learning Strategies

Strateg	**1. Interactive Lectures: Using presentations with diagrams, images,to illustrate key points and stimu discussion linking surgery to anesthesia practice.** **2. Case-Based Learning: Analyzing clinical scenarios to discuss the anesthesia technologist's role p intra-, and post-operatively, fostering critical thinking.** **3. Simulation & Demonstrations: Using skills labs to demonstrate sterile techniques, surg instruments, and patient positioning principles on models.** **4. Continuous Assessment: Utilizing quizzes, assignments, and exams, alongside regular feedback evaluate understanding and progress.**

1. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	**2**		Metabolic response to injury	Lecture	Homework
2	2		Inflammation acute and chronic	Lecture	Quiz
3	2		Shock types and pathophysiology	Lecture	Discuss a hypothetical case
4	2		Wounds, tissue repair and scar	Lecture	Exam
5	**2**		Surgical infection	Lecture	Homework
6	2		Patient safety	Lecture	Discuss a hypothetical case
7	2		Preoperative and intraoperative care	Lecture	Quiz
8	2		Head injury, management of unconscious patient	Lecture	Discuss a hypothetical case
9	2		Abscess, cellulitis, carbuncle, and nonspecific infection	Lecture	Homework
10	2		Gangrene types and causes	Lecture	Exam
11	2		Fluid therapy	Lecture	Homework
12	2		Nutritional support	Lecture	Discussion with questions
13	2		Acid -base balance	Lecture	Demand a report
14	2		Spinal injury, peripheral nerve injury	Lecture	Quiz
15	2		Principles of laparoscopic surgery	Lecture	Exam

2. Course Evaluation

3. Learning and Teaching Resources

Required textbooks (curricular books any)	Text book of surgery, COURTNEY TOWNSEND, JR, MD 21 edition 2022.
Main references (sources)	Basic surgical technique, Fiona Myint, seventh edition.
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

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