

Course Description Form

1. Course Name:	
General surgery	
2. Course Code: ZUDE0409	
3. Semester / Year:	
Annual	
4. Description Preparation Date:	
2025-2026	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours (Theoretical) + 60 hours (Practical). (One theoretical hour and two practical hours week)	
7. Course administrator's name (mention all, if more than one name)	
Name: Reeman maki abd-al-ameer Email: reman.alsaffar@alzahu.edu.iq	
8. Course Objectives	
Course Objectives	Teaching the students the general surgery and its impact on his work as a dentist.
9. Teaching and Learning Strategies	
Strategy	Theoretical and practical education. The teaching method changes according to the student's perception and interaction with the lecture. It may be the discussion method, the interrogation method, or the inference and deduction method... or it may be all of the methods at the same time, in addition to using the dissection room to increase the student's understanding and perception.

10.Course structure					
Week	Hours	Subject name	Required learning outputs	Learning method	Assessment method
1	1	Metabolic response to injury	BASIC CONCEPTS IN HOMEOSTASIS MEDIATORS OF THE METABOLIC RESPONSE TO INJURY Physiological response to injury ((THE 'EBB AND FLOW' MODEL)) Insulin resistance AVOIDABLE FACTORS THAT COMPOUND THE RESPONSE TO INJURY Systemic inflammation and tissue response	Power Point	Quiz
2	1	Wound healing Introduction	Introduction Classification of wound Healing Normal sequence of wound Healing Factors affecting healing (local & systemic) Complications of wound healing	Power Point	Quiz
3 & 4	2	Surgical wound infections	Surgical sepsis Types of wounds Infecting organisms (Exogenous organisms, Endogenous organisms) Prevention of wound Infections Clinical features of wound Sepsis Diagnosis of wound sepsis Treatment	Power Point	Quiz

5 & 6	2	Hemorrhage Introduction	Introduction Pathophysiology Definitions(<i>Revealed and concealed hemorrhage, Primary, reactionary and secondary hemorrhage</i>) <i>Surgical and non surgical hemorrhage</i>) Degree and classification Management (<i>Identify hemorrhage, Immediate resuscitative maneuvers, Identify the site of hemorrhage, Hemorrhage control</i>) Damage control surgery	Power Point	Quiz
7& 8	2	Shock Introduction	Introduction Pathophysiology <i>Ischemia–reperfusion syndrome</i> Classification of shock Consequences <i>Unresuscitatable shock</i> <i>Multiple organ failure</i> RESUSCITATION Fluid therapy Monitoring end point of resuscitation	Power Point	Quiz
9 & 10	2	Blood transfusion Introduction	Introduction Blood and blood products Indications for blood transfusion Blood groups and cross-matching Transfusion reactions Cross-matching Complications of blood transfusion Management of coagulopathy	Power Point	Quiz

11	1	Parenteral feeding Introduction	Introduction Route of delivery Peripheral central venous access Complications of parenteral nutrition Refeeding syndrome	Power Point	Quiz
12 & 13	2	Fluid balance	Abnormalities of body water Fluid overload and oedema Abnormalities of electrolytes Fluid replacement Acid-base balance Abnormalities of acid-base balance	Power Point	Quiz
14& 15	2	Electrolytes balance Introduction	Introduction Principles of electrolyte balance Normal homeostasis Barriers between compartments, osmolality and electrolyte concentrations Homeostatic mechanisms	Power Point	Quiz
16& 17	2	Head injury	Introduction Cerebral blood flow Initial evaluation and management Mechanism Neurological progression Examination: primary survey Glasgow Coma Score secondary survey CLASSIFICATION OF SEVERITY TYPE OF HEAD INJURY	Power Point	Quiz

18 & 19	2	Preoperative preparation	Introduction to the Patient History of the presenting Complaint Relevant medical history Family history Drug therapy Social history Allergies Common surgical symptoms Terms used in General Surgery and History Taking	Power Point	Quiz
20 & 21	2	Anesthesia & Pain HISTORY	HISTORY GENERAL ANAESTHESIA Management of airway during Anesthesia Complications of intubation Ventilation during anesthesia Monitoring and care during anesthesia Chronic pain management Chronic pain control in benign disease Pain control in malignant disease	Power Point	Quiz
22 & 23	2	Perioperative care Introduction	Introduction Factors that predispose patients to a high risk of morbidity and mortality Patient factors Surgical factors Optimize medical	Power Point	Quiz

			management of coexisting diseases and intraoperative considerations Ischemic heart disease Respiratory failure SPECIFIC Strategies		
24 & 25	2	Postoperative care	Postoperative care SYSTEM-SPECIFIC POSTOPERATIVE COMPLICATIONS Respiratory complications Cardiovascular complications Renal and urinary complications COMPLICATIONS RELATED TO SPECIFIC SURGICAL SPECIALTIES <i>Paralytic ileus</i> <i>Compartment syndrome</i> Neck surgery Neurosurgery	Power Point	Quiz
26 & 27	2	GENERAL POSTOPERATIVE	Nausea and vomiting Bleeding Deep vein thrombosis Hypothermia and shivering Fever Pressure sores Drains Wound care Wound dehiscence DISCHARGE OF PATIENTS	Power Point	Quiz

28 & 29	2	Day case surgery Definition	Definition SELECTION CRITERIA PREOPERATIVE ASSESSMENT SURGERY DISCHARGE	Power point	Quiz
30	1	Surgical ethics and law	Introduction Informed consent maters of life and death Confidentiality research	Power point	Quiz
11. Course Evaluation					
First course 20%, second course 20%, final exam 60%.					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)		1. Baily and Love's short practice of surgery 25th edition 2008. 2. Schwarz principles of surgery.			
Electronic References,		Springer nature, Willey, Elsevier.			

Websites	
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