

1. Course Name:	
Principles of anesthetic devices	
2. Course Code:	
3. Semester / Year:	
Semester	
4. Description Preparation Date:	
17-12-2025	
5. Available Attendance Forms:	
Weekly (Theory: 1.5 hours, Practically: 1.5 hours)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Theory: 22.5 hours Practically: 22.5 hours Total: 45 hours Total Units: 4	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. Ahmed Saeed Abdullah	
8. Course Objectives	
Course Objectives	1. To understand the anesthetic devices and how they work. 2. To have an idea about the parts of each of these devices. 3. To equip students with the scientific and practical skills necessary to work with these devices. 4. To teach students the uses and complications of these devices. 5. To teach students how to maintain medical devices, and how to keep sterility of these devices. 6. To graduate students who are knowledgeable about the various components of the anesthetic devices and can keep pace with advancements in their technologies
9. Teaching and Learning Strategies	
Strategy	1. Delivering theoretical & practical lectures on the anesthetic devices. 2. Employing discussion and question-and-answer sessions in the classroom to foster dialogue. 3. Daily assessment, weekly assessment, term assessment, objective questions, general knowledge questions, and practical exams

1. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Th.:1.5 hr Pr.: 1.5 hr		Design of the operating theatre	Lect.&Lab.	Quiz
2	Th.:1.5 hr Pr.: 1.5 hr		Operating Room Pollution	Lect. & Lab.	Quiz
3	Th.:1.5 hr Pr.: 1.5 hr		Anesthesia mask	Lect. & Lab.	Quiz
4	Th.:1.5 hr Pr.: 1.5 hr		Endotracheal tubes	Lect. & Lab.	Quiz
5	Th.:1.5 hr Pr.: 1.5 hr		Cannula & IV set	Lect. & Lab.	Quiz
6	Th.:1.5 hr Pr.: 1.5 hr		Oro-pharyngeal airway	Lect. & Lab.	Quiz
7	Th.:1.5 hr Pr.: 1.5 hr		Infusion pumps	Lect. & Lab.	Quiz
8	Th.:1.5 hr Pr.: 1.5 hr		Laryngoscope	Lect. & Lab.	Quiz
9	Th.:1.5 hr Pr.: 1.5 hr		Tracheostomy tubes	Lect. & Lab.	Quiz
10	Th.:1.5 hr Pr.: 1.5 hr		Gas laws	Lect. & Lab.	Quiz
11	Th.:1.5 hr Pr.: 1.5 hr		Fluid mechanics	Lect. & Lab.	Quiz
12	Th.:1.5 hr Pr.: 1.5 hr		Venturi mask	Lect. & Lab.	Quiz
13	Th.:1.5 hr Pr.: 1.5 hr		Nebulizer	Lect. & Lab.	Quiz
14	Th.:1.5 hr Pr.: 1.5 hr		Laws of diffusion	Lect. & Lab.	Quiz
15	Th.:1.5 hr Pr.: 1.5 hr		Hemodynamics : Laplace law	Lect. & Lab.	Quiz
2. Course Evaluation					
The grade distribution is as follows: Assessment: Attendance 10 marks, weekly exams 40 marks Final exam: Theory 40 marks, Practical 10 marks					
3. Learning and Teaching Resources					
Required textbooks (curricular books any)					
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Form

