

## Semester Plan

**Course Title & Code:** Operating Room Equipment(28632)  
**Semester/Shift/Group:** 3rd / 1st (A+B)  
**Teacher:** S.M Anisur Rahman  
**Lab/Room:** According to class Routine

**Consultation/Contact Time:** According to class Routine

**Course Outline:** Autoclave, OT light and OT table, Surgical Diathermy, Suction Apparatus , Sterilization techniques, OR hazards and Safety.

**Teaching Method:** Lectures, Assignments, Interactive Sessions, Presentations.

**Prerequisites:** Passed 2nd Semester Electromedical Technology.

Week	Theory			Practical		
	Content	Activity		Content	Activity	
	General Objectives	Test / Quiz	Teaching Materials	Name of the Experiment	Resources, Place, Tutorials, Methodology, Reference Books, Viva, Job Sheet	
1	Concept of Operating room (OR)		Reference Book, Marker Pan, White Board, Multimedia	1	Identify equipment of operating room	Operating room equipment
2	Sterilization techniques of operating room	Class Test -1		2	Demonstrate the operation of autoclave.	Autoclave equipment
3	OT light and OT table	Quiz Test - 1		3	Detect the faults of autoclave and solve the problem.	Autoclave equipment
4	Suction apparatus.			4	Detect the faults of OT light and solve the problem.	OT light
	Mid Term Exam			5	Electrohydraulic OT table and solve the problem.	Electrohydraulic OT table
5	Surgical diathermy unit			6	Troubleshoot the suction machine and solve the problem.	Suction machine
6	Hazards and safety of Operating Room	Class Test -2			Preview	Related Equipment
10	Class Preview & Evaluation			6	Demonstrate the operation of Surgical Diathermy unit	Surgical Diathermy unit
11	Class Preview & Evaluation			7	OR safety equipment and performance test	OR safety equipment

**Reference Books:** 1.Hand book of Biomedical Instrumentation. R S Khandpur Mc Graw Hill "2nd edition"

02Introduction to the Operating Room. Amalia/ Cochran Mc Graw Hill " 2017 1st Edition"  
03 Surgical Equipment and Supplies, Colleen J. Rutherford, E.A. Davies Co.

**Assessment Method:**

Components	Weightage	
	Theory	Practical
Quizzes/Viva		5
Class Test		
Class Participation		5
Assignments/Report Writing		15
Mid term Exam	10	
Continuous Assessment	10	25
Final	30	25
Total	50	50

**Students' Responsibilities:** Follow the classes regularly and study the reference books.