

Vocational School of Health Services / Dental Prosthetics Technology

2024 - 2025 Academic Year

STERILISATION & DISINFECTION METHODS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
STERILISATION & DISINFECTION METHODS	DPT1227200	Spring Semester	1+0	1	2
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Prof.Dr. Mahmut KUŞDEMİR				
Name of Lecturer(s)	Lect. Beyza TANDOĞAN				
Assistant(s)					
Aim	To demonstrate the sterilization and disinfection, and differences in sterilization and disinfection methods.				
Course Content	This course contains; Sterilization and disinfection concepts,Physical sterilization methods,Sterilization with heat,Sterilization with humid heat-I,Sterilization with humid heat-II,Sterilization with dry heat,Sterilization with filtration,Sterilization with radiation,Sterilization applications,Chemical sterilization methods,Disinfection,Disinfectants,Impact mechanisms of disinfectants,Disinfection applications.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.1.Defines sterilization.			10, 14, 9	A	
1.2.Explains disinfection.			14, 16, 9	A	
1.3.Expresses differences in sterilization and disinfection.			14, 9	A	
2.1.Explains physical and chemical sterilization methods.			10, 16, 9	A	
2.2.Defines disinfection methods and disinfectants.			14, 16, 9	A	
1. Explains the sterilization and disinfection concepts.			16, 9	A	
2. Identifies sterilization and disinfection methods.			12, 14, 9	A	
Teaching Methods	10: Discussion Method, 12: Problem Solving Method, 14: Self Study Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Sterilization and disinfection concepts				
2	Physical sterilization methods				
3	Sterilization with heat				
4	Sterilization with humid heat-I				
5	Sterilization with humid heat-II				
6	Sterilization with dry heat				
7	Sterilization with filtration				
8	Sterilization with radiation				
9	Sterilization applications				
10	Chemical sterilization methods				
11	Disinfection				
12	Disinfectants				
13	Impact mechanisms of disinfectants				
14	Disinfection applications				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					
Notes will be given to the students.					