

Vocational School of Health Services / Opticianry
2023 - 2024 Academic Year
LABORATORY TECHNIQUES and SAFETY
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
LABORATORY TECHNIQUES and SAFETY	OPT1121810	Fall Semester	2+0	2	2
Prerequisites Courses					
Recommended Elective Courses	None				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Elective				
Course Coordinator	Lect. Ekrem Musa ÖZDEMİR				
Name of Lecturer(s)	Lect. Ali ŞENBAHÇE, Lect. Ekrem Musa ÖZDEMİR				
Assistant(s)	None				
Aim	Working in the laboratory, providing safety, recognition and proper use of laboratory equipment and equipment are taught.				
Course Content	This course contains; Laboratory working principles,Laboratory safety,Things to observe when working with chemicals,Things to observe when working with glass,Cam malzemelerin temizlenmesi ve kurutma teknikleri,Laboratory equipment and instruments,Disinfection and Sterilization,solutions,Disposal and consideration of chemical wastes,Laboratory accidents and first aid,Transport and storage of chemical substances,Chemicals and safety measures harmful to human health,Planning an experiment, setting up the equipment, keeping the test book,General evaluation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
List the rules for working in the laboratory.			16, 5, 9	A	
Tells about the accidents in the laboratories and safety measures.			16, 5, 9	A	
Applies the basic processes done in the laboratories.			16, 5, 9	A	
Teaching Methods	16: Question - Answer Technique, 5: Cooperative Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Laboratory working principles	Lecture Notes			
2	Laboratory safety	Lecture Notes			
3	Things to observe when working with chemicals	Lecture Notes			
4	Things to observe when working with glass	Lecture Notes			
5	Cam malzemelerin temizlenmesi ve kurutma teknikleri	Lecture Notes			
6	Laboratory equipment and instruments	Lecture Notes			
7	Disinfection and Sterilization	Lecture Notes			
8	solutions	Lecture Notes			
9	Disposal and consideration of chemical wastes	Lecture Notes			
10	Laboratory accidents and first aid	Lecture Notes			
11	Transport and storage of chemical substances	Lecture Notes			
12	Chemicals and safety measures harmful to human health	Lecture Notes			
13	Planning an experiment, setting up the equipment, keeping the test book	Lecture Notes			
14	General evaluation	Lecture Notes			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					
Powerpoint notes will be given to studentsNone					