

**Vocational School / Opticianry**  
**2024 - 2025 Academic Year**  
**INTRODUCTION to OPTICIANRY**  
**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INTRODUCTION to OPTICIANRY	OPT1110892	Fall Semester	3+0	3	8
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	Occupational health and Safety				
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Lect. Hüseyin DEMİR				
<b>Name of Lecturer(s)</b>	Lect. Hüseyin DEMİR				
<b>Assistant(s)</b>					
<b>Aim</b>	Expression of law, regulation, deontology profession history and development of optician profession, all professional arguments (prescription,glass, frame, lens, etc ..) to explain the basic information, the theoretical description of laboratory tools and equipment				
<b>Course Content</b>	This course contains; Course description, scope, rationale, importance, rule and necessity,The history and development of the profession in Turkey opticianry,History of glasses and lenses,Optician profession, duties and responsibilities of optician,Terminological terms and professional definitions,Transpose,Types of glasses and frames,Refraction defects and correction techniques of lenses,Dioptric forces of glasses in different meridian,Properties of concave and convex lenses,Physical and chemical properties of organic and mineral lenses,Anti-reflection coatings on spectacle lenses,Frame selection according to face type and considerations when choosing a frame,Phocometer introduction and usage technique.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
Have knowledge about the importance of optician profession and development process.			16, 9	A	
To have the knowledge and usage skills required by the profession about basic vision devices (glasses, contact lenses, low vision aids) and other optical devices.			16, 9	A	
It provides the selection, sale and preparation of basic vision devices according to the prescription and their adaptation to the user.			16, 9	A	
Use the necessary professional equipment and devices for the maintenance and repair of eyeglasses and other optical instruments.			16, 9	A	
<b>Teaching Methods</b>	16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Course description, scope, rationale, importance, rule and necessity	Pre-Reading			
2	The history and development of the profession in Turkey opticianry	Pre-Reading			
3	History of glasses and lenses	Pre-Reading			
4	Optician profession, duties and responsibilities of optician	Pre-Reading			
5	Terminological terms and professional definitions	Pre-Reading			
6	Transpose	Pre-Reading			
7	Types of glasses and frames	Pre-Reading			
8	Refraction defects and correction techniques of lenses	Pre-Reading			
9	Dioptric forces of glasses in different meridian	Pre-Reading			
10	Properties of concave and convex lenses	Pre-Reading			
11	Physical and chemical properties of organic and mineral lenses	Pre-Reading			
12	Anti-reflection coatings on spectacle lenses	Pre-Reading			
13	Frame selection according to face type and considerations when choosing a frame	Pre-Reading			
14	Phocometer introduction and usage technique	Pre-Reading			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

Resources	
1) Aksak, E., Küçükler, T., "Opticianry", Eskişehir, 2005. 2) Özdemir, E., Yazar, O., "Basic Opticianry", Güneş Tıp Kitapevi, Ankara, 2016.	