

Vocational School of Health Services / Radiotherapy

2024 - 2025 Academic Year

CLINICAL ONCOLOGY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CLINICAL ONCOLOGY	RAD1277990	Spring Semester	2+2	3	6
Prerequisites Courses					
Recommended Elective Courses	MEDICAL IMAGING DEVICES				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Prof.Dr. Dilek ÜNAL				
Name of Lecturer(s)	Prof.Dr. Dilek ÜNAL, Assist.Prof. Ömer YAZICI				
Assistant(s)					
Aim	To convey information about. the functioning of radiation oncology, classification of cancer by place of residence and its treatment.				
Course Content	This course contains; Overview of Radiation Oncology,What is Cancer? How does it occur? Protection from cancer,Information about cell, the basics of radiobiology,Tumor Pathology,Cancer diagnosis and treatment methods,Brain, head and neck tumors,Thoracic tumors,Breast cancer,Gastrointestinal Tumors,Gynecologic tumors,Gus tumors,Sarcomas,Pediatric and hematological tumors,Cancer patient follow-up and documentation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Explains cancer and its treatment methods.			10, 16, 37, 9	A, G	
Describes the general functioning of radiation oncology.			10, 16, 37, 9	A, G	
Knows the amount of radiation required according to the type and location of the tumors.			10, 16, 37, 9	A, G	
It identifies healthy organs that need to be protected according to the type and location of the tumors.			10, 16, 37, 9	A, G	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 37: Computer-Internet Supported Instruction, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, G: Quiz				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Overview of Radiation Oncology	Mebis Lecture Notes			
2	What is Cancer? How does it occur? Protection from cancer.	Mebis Lecture Notes			
3	Information about cell, the basics of radiobiology	Mebis Lecture Notes			
4	Tumor Pathology	Mebis Lecture Notes			
5	Cancer diagnosis and treatment methods	Mebis Lecture Notes			
6	Brain, head and neck tumors	Mebis Lecture Notes			
7	Thoracic tumors	Mebis Lecture Notes			
8	Breast cancer	Mebis Lecture Notes			
9	Gastrointestinal Tumors	Mebis Lecture Notes			
10	Gynecologic tumors	Mebis Lecture Notes			
11	Gus tumors	Mebis Lecture Notes			
12	Sarcomas	Mebis Lecture Notes			
13	Pediatric and hematological tumors	Mebis Lecture Notes			
14	Cancer patient follow-up and documentation	Mebis Lecture Notes			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Course notes will be given to the students Temel ve Klinik Radyoterapi, Rıza Çetinöz, Türk Radyasyon Onkolojisi Derneği(TROD)