

COURSE INFORMATION					
Course Title	<i>Code</i>	<i>Semester</i>	<i>T COURSE INFORMATION Lecture+Practice+Labrotory Hour</i>	<i>Credits</i>	<i>ECTS</i>
Radiation Oncology (Clinical Clerkship)	MED550	Phase 5 / 9-10	16	2	2*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should have at least the Phase 3 knowledge level in medical faculty.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Area Elective
Course Coordinator	Naciye Işık, MD Prof.
Instructors	Naciye Işık Beyhan Ceylaner Bıçakçı Hüseyin Tepe tam Şule Gül Karabulut Duygu Gedik Hazan Özyurt Bayraktar Uğur Yılmaz Sevim Özdemir Fatih Demircioğlu Ayşe Sevgi Özden Naciye Işık
Assistants	
Goals	The course aims to convey necessary knowledge on pathology, clinics and treatment of oncological diseases and to equip with skills and attitudes required for an appropriate approach to management of oncology patients
Content	For further details please see Academic Program Book of Phase V at Introduction and Radiation Oncology Terminology Radiation Physics Radiotherapy Methods and Devices Radiation Biology Role of Radiation Therapy in Soft-Tissue Sarcomas Role of Radiation Therapy in Gastrointestinal Cancers Role of Radiation Therapy in Lymphomas Role of Radiation Therapy in Head and Neck Cancers Role of Radiation Therapy in Lung Cancer Role of Radiation Therapy in Breast Cancer Role of Radiation Therapy in Urinary System Cancers Role of Radiation Therapy in Gynecologic Cancers Radiotherapy Side Effects Student Group Study Clinical experience Assessment Session - Written Exam Review of the Exam Questions, Evaluation of the Program

Learning Outcomes	Programme Learning Outcomes	Teaching Methods	Assessment Methods
Explain the basic oncological terminology	1.1.4	1,2,3	A
Describe the stages of common cancers	1.1.6, 1.1.8	1,2,3	A
Describe the management of common cancers	1.1.9, 1.1.11	1,2,3,12	A
List the steps of radiotherapy planning from treatment decision to radiation delivery	1.1.11	1,2,3,9,12	A
List the common site-specific and general side effects of radiotherapy	1.1.3	1,2,3,12	A
Explain the basic rationale of radiophysics	1.1.3	1,2,3	A
Explain the basic rationale of radiobiology	1.1.3	1,2,3	A
Identify the oncological emergencies	1.1.9, 1.1.11	1,2,3,12	A
Obtain an appropriate history of patients and families as necessary	1.1.2, 1.1.4	12	A
Perform proper physical examination in oncology patients considering special features related to diagnosis	1.1.5	12	A
Interpret laboratory, pathological and radiological data	1.1.7, 1.1.8	1,2,3,12	A
Manage oncological emergency cases	1.1.9, 1.1.1	1,2,3,12	A
Use written and online sources correctly and efficiently to access evidence-based information	3.1.1, 3.1.2, 3.1.3	3	A

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 9: Simulation, 12: Case Study
Assessment Methods:	A: Testing B: Presentation C: Homework

COURSE CONTENT		
Week	Subject	Study Materials
1 st day	Introductory Session Introduction and Radiation Oncology Terminology	Materials for the course provided by instructor
1	Lecture Radiation Physics	Materials for the course provided by instructor
1	Lecture Radiotherapy Methods and Devices	Materials for the course provided by instructor
1	Lecture Radiation Biology	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Soft-Tissue Sarcomas	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Gastrointestinal Cancers	Materials for the course provided by instructor

1	Lecture Role of Radiation Therapy in Lymphomas	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Head and Neck Cancers	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Lung Cancer	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Breast Cancer	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Urinary System Cancers	Materials for the course provided by instructor
1	Lecture Role of Radiation Therapy in Gynecologic Cancers	Materials for the course provided by instructor
1	Lecture Radiotherapy Side effects	Materials for the course provided by instructor
1	Assessment Session	
1	Program Evaluation Session Review of the Exam Questions, Evaluation of the Program	

RECOMMENDED SOURCES	
Textbook	• Gunderson and Tepper's Clinical Radiation Oncology
Additional Resources	• Lecture Notes • https://econtour.org

MATERIAL SHARING	
Documents	Via Google classroom
Assignments	Powerpoint presentations
Exams	Not shared

ASSESSMENT	
Questions Types(Pencil-Paper Tests)	Proportion (inPass/FailDesicion)
Multiple Choice Questions	100%
Total	100 %
OtherAssessment Methodsand Tools	Proportion (inOtherAssessment sMethodsandTools)
Total	-

Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	100%
Other Assessments Methods and Tools	-
Total	100 %

COURSE CATEGORY	Expertise/Field Courses
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COURSE'S CONTRIBUTION TO PROGRAMME						
No	Program Learning Outcomes	Contribution				
		1	2	3	4	5
1.	Basic Professional Competencies					
1.1.	Clinical Competencies					x
1.2.	Competencies Related to Communication				x	
1.3.	Competencies Related to Leadership and Management					x
1.4.	Competencies Related to Health Advocacy				x	
1.5.	Competencies Related to Research					x
1.6.	Competencies Related to Health Education and Counseling					x
2.	Professional Values and Perspectives					
2.1.	Competencies Related to Law and Legal Regulations					x
2.2.	Competencies Related to Ethical Aspects of Medicine					x
2.3.	Competencies Related to Social and Behavioral Sciences					x
2.4.	Competencies Related to Social Awareness and Participation					x
2.5.	Competencies Related to Professional Attitudes and Behaviors					x
3.	Personal Development and Values					
3.1.	Competencies Related to Lifelong Learning					x
3.2.	Competencies Related to Career Management					x
3.3.	Competencies Related to Protection and Development of Own Physical and Mental Health					x

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity /day	Duration (Hour)	Total Workload (Hour)
Course Duration (1 week)	5	4	20
Hours for off-the-classroom study (Pre-study, practice, review/week)	5	10	50
Homework	-	-	-
Exam	1	1	1
Total Work Load			71
Total Work Load / 30 (h)			2,37
ECTS Credit of the Course			2