

RADIOTHERAPY

1	Course Title:	RADIOTHERAPY
2	Course Code:	TGTZ204
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. İMREN DEMİR AKKUŞ
15	Course Lecturers:	Doç.Dr.Sibel K.Çetintaş Doç.Dr.Meral KURT Doç.Dr.Sürreya Sarıhan Prof.Dr.Candan Demiröz
16	Contact information of the Course Coordinator:	imrendemir@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The aim of this course is information on Radiotherapy classrooms and to teach in the hospital.
19	Contribution of the Course to Professional Development:	THEORETICAL AND PRACTICAL APPROACHES SUPPORTING PROFESSIONAL DEVELOPMENT
20	Learning Outcomes:	
	1	According to the characteristics of radiation to explain the usage. Compare the benefits and hazards of radiation.
	2	Making Simulation Radiotherapy
	3	Applications to do is to ensure İnmobilizasyonu
	4	Making Preparations for Viewing
	5	Implement the Plan of Treatment
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Radiotherapy Definition and Terminology	Reading, literature, diagnosis, treatment, observation devices
2	Introduction to Oncology and Principles of Radiation Oncology	Reading, literature, diagnosis, treatment, observation devices
3	The Structure of Matter and the Production of Rays Used in Radiotherapy	Diagnosis, treatment, observation devices

4	Radiotherapy Devices	Diagnosis, treatment planning and computerized equipment to make observations
5	Radiotherapy Devices	Observation of diagnostic, therapeutic and computerized planning devices
6	Simulator in Radiotherapy	Observation of diagnostic and treatment devices
7	Immobilization in Radiotherapy	Immobilization procedures, diagnosis, treatment planning and computerized equipment to make observations
8	Volume Definitions and Planning in Radiotherapy	Observation of diagnostic, therapeutic and computerized planning devices
9	Radiation Dose Units and Radiation Safety	Radiation related laws, regulations and legislation related reading; Diagnosis, treatment, observation devices
10	Radiotherapy for Bone and Soft Tissue, Breast Tumors	Immobilization procedures, diagnosis, treatment planning and computerized equipment to make observations
11	Radiotherapy in Head-Neck, Pediatric Tumors	Immobilization procedures, diagnosis, treatment planning and computerized equipment to make observations
12	Radiotherapy in Prostate Tumors	Immobilization procedures, diagnosis, treatment planning and computerized equipment to make observations
13	Radiotherapy in Lung Tumors	Immobilization procedures, diagnosis, treatment planning and computerized equipment to make observations
14	Radiotherapy in CNS and Skin Tumors	Immobilization procedures, diagnosis, treatment planning and computerized equipment to make observations

Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preperation			0	0.00	0.00
Homeworks			0	0.00	0.00
Projects			0	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams			1	12.00	12.00
Others			0	0.00	0.00
Final Exam		1	15.00	15.00	15.00
Total Work Load					83.00
Total work load/ 30 hr		0	0.00		2.77
ECTS Credit of the Course					3.00
Total		2	100.00		
Contribution of Term (Year) Learning Activities to Success Grade			40.00		
Contribution of Final Exam to Success Grade			60.00		
Total			100.00		
Measurement and Evaluation Techniques Used in the Course			Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.		
24	ECTS / WORK LOAD TABLE				

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	5	5	5	0	5	0	0	0	5	5	0	0	0	0
ÖK2	5	5	5	4	0	5	0	0	5	0	0	0	0	0	0	0
ÖK3	5	5	5	0	0	5	0	0	5	0	0	0	0	0	0	0
ÖK4	5	5	5	0	0	5	5	0	5	0	0	0	0	0	0	0
ÖK5	5	5	5	4	0	5	0	0	5	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				