

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Oncolog	gy							
Course Code		THE637		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	8	Workload	206 (Hours)	Theory	/	2	Practice	2	Laboratory	0
Objectives of the Course		To define bas	ic oncology, e	xamine	carci	nogenesis	and anticance	er treatment	methods	
Course Content		cancer develo and Metastas Suppressor G	ppment and the is, Importance senes in cance	e moled of Sign or diagn	ular r naling osis,	nechanism Pathways treatment a	ns. Cell Death in Cancer, Th and follow-up.	Mechanisms ne importance Cancer Cell	and transformations, Angiogenesis, In e of Oncogene and Culture, Western osis and Mutation	nvasion d Tumor Blotting,
Work Placement N/A										
Planned Learning Activities and Teaching Methods		Explar	ation	(Presenta	tion), Demons	stration, Disc	ussion, Individual	Study		
Name of Lecturer(s)										

Assessment Methods and Criteria						
Method	Quantity	Percentage (%)				
Midterm Examination	1	40				
Final Examination	1	60				

Reco	Recommended or Required Reading						
1	Use and Interpretation of Laboratory Tests in Oncology. Douglas C. Aziz, Specialty Laboratories. Third edition 1998						
2	Molecular Biology in Cancer Medicine. Razelle Kurzrock, Moshe Talpaz, Martin Dunitz 1995.						
3	Pathologic Basis of Disease. Vinay Kumar, Abul K. Abbas, Nelson Fausto, Elsevier Saunderss, 2015 Seventh Edition						
4	Molecular Mechanism of Cancer. Georg F. Weber, Springer, 2007						
5	The Biology of Cancer Robert A. Weinberg, Gariand Science 2014						

Week	Weekly Detailed Cours	se Contents
1	Theoretical & Practice	Introduction to Basic Oncology
2	Theoretical & Practice	Cancer Etiology
3	Theoretical & Practice	Cell differentiation and transformation
4	Theoretical & Practice	Signaling Pathways in Cancer-I
5	Theoretical & Practice	Signaling Pathways in Cancer-II
6	Theoretical & Practice	Oncogene and Tumor Suppressor Genes
7	Theoretical & Practice	The Importance of Staging in Cancer
8	Intermediate Exam	Midterm exam
9	Theoretical & Practice	Mutations in Cancer
10	Theoretical & Practice	DNA Damage and Repair in Cancer
11	Theoretical & Practice	Epigenetic Changes in Cancer
12	Theoretical & Practice	Cancer and the Microenvironment
13	Theoretical & Practice	Cancer and Metastasis
14	Theoretical & Practice	Molecular Basics of Anticancer Therapy
15	Final Exam	Final exam

Workload Calculation						
Activity	Preparation	Duration	Total Workload			
Lecture - Theory	13	1	2	39		
Assignment	2	24	2	52		
Laboratory	13	1	2	39		
Midterm Examination	1	24	2	26		



Final Examination	1		48	2	50
	206				
[Total Workload (Hours) / 25*] = ECTS					8
*25 hour workload is accepted as 1 ECTS					

Learn	ing Outcomes		
1	Learning the Basic Oncological Approach		
2	To examine the carcinogenesis-tumorigenesis steps		
3	To discuss genetic changes and mutations in cancer		
4	Discussing anticancer treatment differences		
5	Learns the methods in cancer studies		

Progr	Programme Outcomes (Histology and Embryology Medical) Doctorate)							
1	To have basic laboratory skills and attitudes							
2	To be a scientist with strong educational background and presentation.							
3	To have information about laboratory safety							
4	To learn the histology and embryonic development of related organs and systems							
5	To know the differences between related organs at the tissue level.							

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	3	4	5	4 (5
P2	4	5	4	3	4
P3	5	3	3	4	5
P4	5	4	4	5	4
P5	4	5	5	4	5

