



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Molecular Targets in Cancer Therapy							
Course Code		TIB630		Couese Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	120 ( <i>Hours</i> )	Theory	3	Practice	0	Laboratory	0
Objectives of the Course									
Course Content									
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	1. Handbook of Targeted Cancer Therapy – Daniel D. Karp and Gelard S. Falchook – LWW 1st edition 2014
---	---

Week	Weekly Detailed Course Contents	
1	Theoretical	General overview of cancer therapy
2	Theoretical	Carcinogenesis and therapy targets
3	Theoretical	Targets based on tissues and organs – Brain Tumors
4	Theoretical	Targets based on tissues and organs – Breast cancer
5	Theoretical	Targets based on tissues and organs – Colorectal and gastric cancers
6	Theoretical	Targets based on tissues and organs – Leukemia, Lymphoma and Myleoma
7	Theoretical	Targets based on tissues and organs – Liver and Lung cancers
8	Intermediate Exam	Midterm Exam
9	Theoretical	Molecular targets and pathways - Receptor tyrosin kinase
10	Theoretical	Molecular targets and pathways - VEGF
11	Theoretical	Molecular targets and pathways - IGF and EGF
12	Theoretical	Molecular targets and pathways - Ras and MAPK
13	Theoretical	Molecular targets and pathways - PI3K and Akt
14	Theoretical	Molecular targets and pathways - Notch and Wnt
15	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	4	3	91
Midterm Examination	1	10	2	12
Final Examination	1	15	2	17
Total Workload (Hours)				120
[Total Workload (Hours) / 25*] = ECTS				5

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	
2	
3	
4	



5

**Programme Outcomes** (*Medical Biology Doctorate*)

1	To acquire fundamental knowledge on medical biology field
2	To gain expertise on molecular biology techniques
3	To utilize molecular biology techniques
4	To be able to construct and conduct a research project
5	To be able to follow and interpret scientific advancements

**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	5	4	3	2	2
P2	2	2	4	5	5
P3	2	2	3	3	3
P4	3	3	3	3	3
P5	3	3	3	3	2

