



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Molecular Oncology							
Course Code		TIB635		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	122 ( <i>Hours</i> )	Theory	2	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. Molecular Oncology: Causes of cancer and targets for treatment – Edward P. Gelmann, Charles L. Sawyers, Frank J. Rauscher - Cambridge University Press; 1 edition (February 17, 2014)
---	--

Week	Weekly Detailed Course Contents	
1	Theoretical	General Principles
2	Theoretical	DNA analysis
3	Theoretical	RNA analysis
4	Theoretical	Molecular pathways - Signal transduction
5	Theoretical	Molecular pathways - Apoptosis
6	Theoretical	Moleküler Yolaklar - Growth factors
7	Theoretical	Moleküler Yolaklar - Nuclear receptors
8	Intermediate Exam	Midterm Exam
9	Theoretical	Molecular Pathology - Carcinomas
10	Theoretical	Molecular Pathology - Nervous system cancers
11	Theoretical	Molecular Pathology - Skin and epithelial tissue
12	Theoretical	Molecular Pathology - Endocrine system
13	Theoretical	Molecular Pathology - Sarcomas
14	Theoretical	Molecular Pathology - Hematopoietic cells
15	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	6	2	104
Midterm Examination	1	6	2	8
Final Examination	1	8	2	10
Total Workload (Hours)				122
[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	3	4	3	3
P2	2	4	3	4	4
P3	2	3	2	3	3
P4	3	2	3	4	4
P5	3	3	3	3	3

