AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Molecular Biology of Cancer							
Course Code		TIB522		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	123 *(Hours)*	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)		Prof. Mehtap KILIÇ EREN							

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

Recommended or Required Reading	
1	NCBI pubmed and recent medical publications

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Cancer biology
2	Theoretical	Epidemioyology of Cancer
3	Theoretical	Cancer Genetics
4	Theoretical	Cell cycle control
5	Theoretical	Oncogenes
6	Theoretical	Growth factors
7	Theoretical	General characteristics of neoplastic cell
8	Theoretical	Malignant transformation of cell (Midterm)
9	Theoretical	Mutation accumulation theroy of cancer
10	Theoretical	Neoplastic cell and microenvironment
11	Theoretical	Altering cellular functions during carcinogenesis
12	Theoretical	Cell surface receptors and cell signaling
13	Theoretical	Cancer metabolism
14	Theoretical	Presentation and Discussion
15	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	7	2	117
Midterm Examination	1	1	1	2
Final Examination	1	2	2	4
			Total Workload (Hours)	123
			[Total Workload (Hours) / 25*] = **ECTS**	5

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes	
1	1. Learning current medical biology topics
2	2. Learning cancer biology at molecular level
3	Improving research abilities to learn about recent developments
4	

5	

Programme Outcomes *(Medical Biology Master)*	
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	5	3	2	3
P2	1	1	1	2	1
P3	1	1	1	2	1
P4	1	1	1	3	1
P5	3	3	5	5	5