AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Biology of Metastasis								
Course Code	TIB626		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	4	Workload	99 *(Hours)*	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. The Biology of Cancer – Robert A. Weinberg – Garland Science - Second edition 2013
2	2. Apoptosis, Pysiology and Pathology - Douglas R. Green and John C. Reed – Cmbridge University press 2011
3	3. NCBI Pubmed ve güncel bilimsel yayınlar

Week	**Weekly Detailed Course Contents**	
1	Theoretical	Intoduction to metastasis
2	Theoretical	Animal models of metastasis
3	Theoretical	Drosophila and Zebrafish models
4	Theoretical	Computational models
5	Theoretical	Metastasis inducing genes
6	Theoretical	Metastasis repressing genes
7	Theoretical	Metastasis epigenetics
8	Intermediate Exam	Midterm Exam
9	Theoretical	Epithelial mesenchimal transition
10	Theoretical	Tumor dormancy
11	Theoretical	Extracellular matrix and metastasis
12	Theoretical	Systemic factor in metastasis
13	Theoretical	Examples of clinical studies I
14	Theoretical	Examples of clinical studies II
15	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	4	3	91
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
			Total Workload (Hours)	99
			[Total Workload (Hours) / 25*] = **ECTS**	4
**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	4	2	2
P2	2	2	2	4	4
P3	2	2	2	3	3
P4	3	3	3	3	3
P5	2	3	3	4	4