

AYDIN ADNAN MENDERES UNIVERSITY **COURSE INFORMATION FORM**

Course Title		Methods of (Gene Transfer						
Course Cod	е	TIB623		Couse L	_evel	Third Cycle (Doctorate Degree)		
ECTS Cred	t 6	Workload	151 (Hours)	Theory	2	Practice	2 Lab	oratory	0
Objectives of	of the Course		. ,						
Course Con	tent								
Work Place	ment	N/A							
Planned Lea	arning Activities	and Teaching	g Methods	Explana	ation (Presenta	tion)			
Name of Le	cturer(s)	Prof. Mehtap	KILIÇ EREN						
Assessmer	t Methods an	d Criteria							
Method			Qua	antity	Percentage (%	b)			
Midterm Exa	amination			1	40				
Final Exami	nation			1	60				
Recommen	ded or Requir	ed Reading							
1 1. Nu	Icleic Acid tran	sfection – Wol	fgang Bielke, C	hristof Ei	rbacher – Sprir	nger 2010			
2 2. N	CBI Pubmed ve	güncel bilims	el yayınlar						
Week V	eekly Detaile	d Course Con	itents						
1	Theoretic	al Gene	transfer in pro	karyotes					
2 Theoretical Gene transfer			transfer to yea	st cell					_
3	3 Theoretical Cell culture ge			nsfer - in	nsect cells				
4	Theoretic	eoretical Cell culture gene transfer - mammalian cells							
5	Theoretical Chemical methods I								
6	6 Theoretical Chemical me			ethods II					
7	7 Theoretical Lipid based r		based methods	methods I					
8	8 Intermediate Exam Midterm E		erm Exam						
9 Theoretical		al Lipid	Lipid based methods II						
10	Theoretic	al Elect	roporation						
11	Practice	Viral	vectors I						
12 Theoretical Vira		al Viral	vectors II						
13 Theoretical Microinjection		injection ve ma	croinject	ion					
14	Theoretic	al Adva	nced technique	s - Lase	r, fiber ve nand	otechnology			
15	Final Exa	m Final	Exam						
Workload C	alculation								
Activity				Quantity	Pre	paration	Duration	Total Wo	orkload
Lecture - Theory				13		5	2	9′	1
Lecture - Practice				13		2	2	52	2
Midterm Examination				1		2	2	4	
Final Examination			1		2	2	4		
						Tot	al Workload (Hours) 15	1
					[Tota	al Workload (H	ours) / 25*] = ECTS	6	j

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1		
2		
3		



4
5

Progra	amme 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	5	4	3	2
P2	2	2	4	4	5
P3	2	2	3	3	2
P4	3	3	2	2	3
P5	3	3	4	3	5

