AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	The Nobel Prizes in Medicine								
Course Code	TIB535		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	5	Workload	120 *(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. Gizem DÖNMEZ YALÇIN								

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

Recommended or Required Reading	
1	2. www.nobelprize.org

Week	Weekly Detailed Course Contents	
1	Theoretical	Fleming, Chain ve Florey (1945) The discovery of Penisilin and the use of antibiotics in infectious diseases
2	Theoretical	Beadle ve Tatum (1958) One gene, one enzyme
3	Theoretical	Watson, Crick vr Wilkins (1962) The chemical structure of DNA, the molcular structure of the inheritance molecule
4	Theoretical	Jacob, Monod ve Lwoff (1965) the control of gene expression: the on and off switch of genes
5	Theoretical	Rous (1966) The viruses that cause cancer
6	Theoretical	Holley, Khorona ve Nirenberg (1968) The genetic code
7	Theoretical	Claude, Duve ve Palade (1974) Wo discovered the organelles in the cell?
8	Theoretical	Arber, Nathans ve Smith (1978) The restriction enzymes and the genetic engineering
9	Intermediate Exam	Midterm Exam
10	Theoretical	McClintock (1983) Transposons
11	Theoretical	Brown and Goldstein (1985) Good cholesterol, bad cholesterol
12	Theoretical	Cohen ve Montalcini (1986) The elixir of the cells: The growth hormone
13	Theoretical	Roberts ve Sharp (1993) The introns and the exons
14	Theoretical	Prusiner (1997) Mad Cow Disease and the Prions Capecchi, Evans, Smithies (2007) Genetically engineered mice
15	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	6	2	104
Midterm Examination	1	4	2	6
Final Examination	1	8	2	10
			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 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	2
P2	1	1	3	1	3
P3	1	1	3	1	3
P4	1	2	3	1	3
P5	5	5	5	5	3