



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Computer Technology Usage in Biotechnology							
Course Code		TBY105		Coure Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	106 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	2
Objectives of the Course		The aim of the course is to teach the students how to use the computer and some office programs efficiently.							
Course Content		Introduction to computer, history of the computer, computer operating systems, Internet, Microsoft office applications; Word, Excel and PowerPoint. A package program about statistics.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Ferhat KİREMİT							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Temel Bilgi Teknolojileri ve Bilgisayar Kullanımı, ISBN: 9786055431983
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Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to computer
	Practice	Basic terms
2	Theoretical	History of computer
3	Theoretical	Computer operating systems
4	Theoretical	Components of the computer, basic computer terminology.
5	Theoretical	Internet
6	Theoretical	MS Word
	Practice	MS Word
7	Theoretical	MS Word
	Practice	MS Word
8	Intermediate Exam	Midterm exam
9	Theoretical	MS Word
	Practice	MS Word
10	Theoretical	MS Excel
	Practice	MS Excel
11	Theoretical	MS Excel
	Practice	MS Excel
12	Theoretical	MS Excel
	Practice	MS Excel
13	Theoretical	MS Excel
	Practice	MS Excel
14	Theoretical	MS Power Point
	Practice	MS Power Point
15	Theoretical	A sample package program about statistics
	Practice	A sample package program about statistics
16	Final Exam	Final exam



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	2	4	84
Assignment	4	3	1	16
Midterm Examination	1	3	1	4
Final Examination	1	1	1	2
Total Workload (Hours)				106
[Total Workload (Hours) / 25*] = <b>ECTS</b>				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	Gaining the usage of basic computer skills
2	Understanding of basic computer terminology
3	Learning to use MS Word
4	Learning to use MS Excel
5	Learning to use MS PowerPoint

**Programme Outcomes (Agricultural Biotechnology)**

1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

**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	3	2	5		
P2		2	1	5	
P3	3	1			5
P4	1	1			5
P5	1		1		
P6	2		1		
P7	2			3	
P8		1			5

