

Alanya Alaaddin Keykubat University | Rafet Kayış Faculty of Engineering
Genetic and Bioengineering Department
2023-2024 Spring Semester

Syllabus

Code/Name	GBM 206 / Microbiology
Type	Required
Credit/ECTS	5/5
Hour per Week	4 (2+2)
Level/Year	Undergraduate/2
Semester	Spring
Classroom	D305
Content	The classification, identification of microorganisms, including bacteria, viruses, fungi, and parasites. Structure of bacteria, viruses, fungi, and parasites.
Prerequisites	
Textbooks	<i>Primary</i> Class Notes <i>Supplementary</i>
Objectives	<ul style="list-style-type: none">• To learn microbiology• To learn structure microorganisms• To learn classification and identification of microorganisms
Course Outcomes	In this course you will be able to: CO1 Outline the microbiology concepts. CO2 Outline the scope and applications of microbiology CO3 Classify fundamental areas of microbiology. CO4 Improve problem solving ability. CO5 Practice professional responsibilities and ethics.

Weekly Schedule of Topics

W	Topic
1	Introduction to microbiology
2	Introduction to bacteriology
3	Structure of bacretria
4	Classification of microorganisms
5	Identification of microorganisms
6	Growth factors of microorganisms
7	Introduction to virology
8	Structure of viruses
9	Classification and identification of viruses
10	Structure of fungi
11	Classification and identification of fungi
12	Parasites
13	Genetically engineered microorganisms
14	Microbial biotechnology

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**Professional
Contribution**

Understand the field of microbiology and its applications

Contribution to Program Outcomes*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	2	1	1	1	4	3	3	0	0	0	0
CO2	2	1	1	1	5	3	3	0	0	0	0
CO3	2	1	1	1	5	3	3	0	0	0	0
CO4	0	0	3	0	3	3	1	3	4	4	2
CO5	0	0	1	0	1	3	1	3	5	1	3

* Contribution Level | 0: None | 1: Very Low | 2: Low | 3: Medium | 4: High | 5: Very High

**Special
Conditions**

Requirements

Course Policy

- Be in the class on time.
- English should be used to communicate with one another.
- Mobile phone should be switched off and put away during the class.
- At least 70% attendance is required, otherwise a grade of **DZ** will be assigned.

**Cheating &
Plagiarism**

- Copying or letting someone copy your work on exams, assignments, or reports is cheating.
- Cutting and pasting text, figures and tables from web sources or any other electronic source is plagiarism.
- The consequence of academic dishonesty is to receive a grade of **FF** for the course.

Evaluation

Midterm	50%
<u>Final Exam</u>	<u>50%</u>
Total	100%

Rubric

A rubric will be announced prior to exams.

Instructor

Name/Surname	Aslı Giray	Email	asli.giray@alanya.edu.tr
Room		Office Hours	W 11.30-12.30 T 13.30-14.30

Prepared by Aslı Giray.