

Alanya Alaaddin Keykubat University | Rafet Kayış Faculty of Engineering
Genetics and Bioengineering Department
 2026-2027 Fall Semester

Syllabus

Code/Name	GBE 115 Intro. To Comp. And Info. Systems
Type	Required
Credit/ECTS	2/2
Hour per Week	2 (1+1)
Level/Year	Undergraduate/1
Semester	Fall
Classroom	D408
Content	This course introduces the basic hardware and software parts of a computer, including input, output, storage, and processing devices. Students will learn the applications of computer software in daily, educational, and professional life. The course also provides practical training on Microsoft Word, Microsoft Excel, and Microsoft PowerPoint to develop document preparation, data analysis, and presentation skills.
Prerequisites	-
Textbooks	Primary Class Notes Supplementary Lesson Notes prepared from books and articles
Objectives	• To introduce the basic components of computer hardware and software • To develop students' understanding of computer applications in daily and professional life • To develop document preparation skills using Microsoft Word • To teach basic data entry, calculation, and chart creation using Microsoft Excel • To improve presentation preparation skills using Microsoft PowerPoint • To enhance students' digital literacy and computer competency skills
Course Outcomes	At the end of this course, students will be able to: 1. Identify the basic hardware and software components of a computer. 2. Explain the functions of input, output, storage, and processing devices. 3. Use common computer applications in professional settings.

Weekly Schedule of Topics

W	Topics	Laboratory-Experiments-Discussions
1.	Introduction to Computers and Information Systems	
2.	Creating Simple Documents Using Microsoft Word	
3.	Working with Long Documents in Microsoft Word	
4.	Referencing Tools, Academic Writing Tools, and Websites for Literature Search	
5.	Introduction to Microsoft Excel	
6.	Data Analysis Using Microsoft Excel and Alternative Statistical Websites	
7.	Scientific Figure Design, Poster Preparation, and Slide Transitions in Microsoft PowerPoint	
8.	Presentation Preparation Using Microsoft PowerPoint	
9.	Alternative Tools for Scientific Figure Preparation	
10.	Image Processing Using ImageJ	
11.	Advanced Image Processing Applications with ImageJ	
12.	Artificial Intelligence Tools for Scientific Applications	
13.	Cybersecurity and Safe Internet Use	
14.	General Review	

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Professional Contribution	To apply software applications on the computer by using their details
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Contribution to Program Outcomes*

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

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

Special Conditions

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Requirements

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Course Policy

- Be in class on time.
- English should be used to communicate with each other. If there is difficulty in making sentences in English, a dictionary can be used.
- Cell phones must be turned off and put away during class.

Cheating & Plagiarism

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

Evaluation

The evaluation breakdown is as follows:

Presentation-10%

Midterm Exam – 40%

Final Exam – 50%

Rubric

A rubric will be announced by the instructor before the exams are given.

Instructor

Name/Surname	Esmahan Durmaz	Email	esmahane.durmaz@alanya.edu.tr
Room	329	Office Hours	The office visit time for students is every Monday and Tuesday.

Prepared by Esmahan Durmaz on September 28th, 2026