

Alanya Alaaddin Keykubat University | Rafet Kayış Faculty of Engineering  
**Electrical-Electronics Engineering Department**  
 2023-2024 Fall Semester

**Syllabus**

<b>Code/Name</b>	EEE 401 / Electrical Engineering Design
<b>Type</b>	Required
<b>Credit/ECTS</b>	6/6
<b>Hour per Week</b>	3(0+3+0)
<b>Level/Year</b>	Undergraduate/4
<b>Semester</b>	Fall
<b>Classroom</b>	WWF   Electrical Engineering Lab
<b>Content</b>	Graduation project leading to BSc. Degree, arranged between a student and the faculty member. The aim of the project must be one of the following: application of new scientific methods for solving different engineering problems, modification of biomaterials, tissue engineering research, and their modeling, development different software packages, analysis and investigation of new research areas in Electrical engineering fields.
<b>Prerequisites</b>	None
<b>Textbooks</b>	<p><b>Primary</b> Class Notes RC Gonzalez, RE Woods, Digital Image Processing, Pearson Education, 3th Ed., 2008.</p> <p><b>Supplementary</b> SW Smith, The Scientist and Engineer's Guide to Digital Signal Processing, California Technical Publishing, 2nd Ed., 1999.</p>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To assure/ascertain that the students have acquired the skills, knowledge and concepts necessary to perform well when they leave the university.</li> <li>To broaden his/her knowledge about a particular, selfselected topic.</li> <li>To show how proficient they are in solving real world problems with certain constraints for the outcome-based evaluation by the review board.</li> <li>To apply literature survey, data collection finding a research question, and establishing the first prototype of their research project.</li> </ul>
<b>Course Outcomes</b>	<p>In this course you will be able to:</p> <p>C01 Understand and apply the fundamentals of engineering-design practices and procedures.</p> <p>C02 Participate in team work activities.</p> <p>C03 Implement the techniques of oral and written presentations.</p> <p>C04 Identify an engineering problem and assess alternative solutions.</p> <p>C05 Apply project management fundamentals.</p>

**Contribution to Program Outcomes\***

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C01	5	2	4	3	2	3	3	5	1	5	5
C02	5	2	4	3	5	4	3	4	5	5	5
C03	5	2	4	4	4	5	3	4	4	5	5
C04	5	5	5	4	2	5	4	5	2	5	5
C05	5	5	5	4	5	5	5	5	3	5	5

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

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<b>Evaluation</b>	Midterm	40%
	<u>Final Exam</u>	60%
	Total	100%

<b>Instructor</b>			
Name/Surname	Emrah Irmak	Email	emrah.irmak@alanya.edu.tr
Room	228	Office Hours	Tu 10.30-11.30   F 15.30-17.30

Prepared by Emrah Irmak on June 7th, 2024.