

<b>Course number and name</b>	END 423 / Investment Planning
<b>Credits, contact hours, categorization of credits</b>	3 credits / 42 hours / Engineering topic
<b>Instructor or course coordinator</b>	H.Bülent CERİT
<b>Text book and other supplemental materials</b>	<ul style="list-style-type: none"> <li>• Yatırım Projeleri Analizi, Prof.Dr. Hüseyin Şahin Ezgi, Kitapevi Yayınları, 1998.</li> </ul>

<b>Course information</b>	
<b>Content</b>	To give students the knowledge of making a new investment with all of its phases and renewing investments with all of its phases.
<b>Prerequisites</b>	END 312
<b>Type</b>	Selected elective

<b>Course learning outcomes</b>
<p>Students who pass the course will:</p> <ol style="list-style-type: none"> <li>I. Know basic concepts of investment.</li> <li>II. Make market analysis, demand forecast.</li> <li>III. Select facility location and capacity.</li> <li>IV. Know the legal and financial dimensions of investments.</li> <li>V. Evaluate investment projects.</li> <li>VI. Manage investment projects.</li> <li>VII. Plan organization and maintenance.</li> <li>VIII. Learn entrepreneurship and make work plan.</li> </ol>

<b>Student outcomes</b>	<b>Level of contribution</b>
SO1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	High
SO2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	Partial
SO3. An ability to communicate effectively with a range of audiences.	Little
SO4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	High
SO5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.	Partial
SO6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	Partial
SO7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	Partial

<b>Week</b>	<b>Topics</b>	<b>Learning outcome(s)</b>
1	Basic concepts of investment	I
2	A model of an investment project	I II
3	Market analysis, demand forecast	III
4	Selection of facility location and capacity	III
5	Legal dimension of investments	IV
6	Financial dimension of investments	V
7	Valuation of investment projects	V
8	Internal rate of return, renewal problems	V
9	Management of investment projects	V
10	Engineering applications	VI
11	Engineering applications	VI
12	Organization and maintenance	VII
13	Entrepreneurship, work plan	VIII
14	Starting a new business, foundation and application	VIII