Course number and name	END 344/ Behavioral Sciences
Credits, contact hours, categorization of credits	3 credits / 42 hours / Engineering topic
Instructor or course coordinator	Gaye KARAÇAY AYDIN, Cahit Ali BAYRAKTAR
Text book and other supplemental materials	• *Human Resources and Behavioral Sciences Workshop Seminar Handbook* (1994-1995). • *Dynamics of Sales Management,* L.M. Barry & Company (1987), *Proffessional* Development in California, USA. • *The role of the Supervisor,* ITT Commercial Finance.

Course information	
Content	To enable young industry engineers and managers to obtain techniques and skills associated with today's modern issues such as human relations, human resources and behavioral science knowledge on industry. To teach many techniques of the relationship between infrastructure of Industrial Engineering, and traditional and mechanistic systems. To teach leadership, motivation and other related modern issues that affect human resources which is one of the most important the management functions.
Prerequisites	None
Type	Selected elective

Course learning outcomes
Students who pass the course will: I. Grasp recruitment, interview and selection techniques which are based on Job-Search Personnel working for the integration of competency II. Understand to solve resistance and resistance to innovation in organizations that emerge during the conflict III. Learn the group dynamics of organizations, the concept of the leadership team and how to manage the teams IV. Grasp to provide communication and motivation within the organization by understanding the type of organization culture V. Understand organization development and organizational learning methods VI. Understand the competencies required for working in organizations and their determination methods

Student outcomes	Level of contribution
SO1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	Not applicable
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.	Not applicable
SO3. An ability to communicate effectively with a range of audiences.	High
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.	Not applicable
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.	Not applicable

Week	Topics	Learning outcome(s)
1	Introduction to Course Scope and Content	I
2	Provide Congruity Between Work and Worker	I
3	Engage, Interview and Selection	I, II
4	Disagreement and Disagreement Analysis in Organizations	II
5	Disagreement Analysis	II
6	Change Management in Organizations	II, III
7	Group Dynamics and Team Management	III
8	Group Dynamics and Team Management	III
9	Communication	III, IV
10	Leadership	III, IV
11	Motivation	III, IV
12	Organizational Culture	IV
13	Organizational Improvement and Organizational Learning	V
14	Competencies	I, VI