

Course number and name	END 364/ Work Psychology
Credits, contact hours, categorization of credits	3 credits / 42 hours / Engineering topic
Instructor or course coordinator	Gaye KARAÇAY AYDIN
Text book and other supplemental materials	<ul style="list-style-type: none"> • John Arnold and others, <i>Work Psychology: Understanding Human Behavior in the Workplace</i>, Prentice Hall, 2004. • Laurie J. Mullins, <i>Management and Organizational Behavior</i>, Pitman Publishing, 2007. • Erol Eren, <i>Organizational Behavior and Management Psychology</i>, Beta Publishing, 2008.

Course information	
Content	The aim of this course is to develop an infrastructure to help students who are also employee and manager candidates for the proper perception of human behavior in organizations and relevant organizational factors.
Prerequisites	None
Type	Selected elective

Course learning outcomes
<p>Students who pass the course will:</p> <ol style="list-style-type: none"> I. Understand fundamental concepts of work and industrial psychology II. Learn how to approach human behavior in organizations via fundamental psychological theories III. Understand individual differences such as intelligence, cognitive style, personality, belief-value and attitudes IV. Learn the useful methods of coping with stress, anger and conflict in work place V. Learn fundamental skills and competences which are expected from leaders. VI. Understand political skill concept VII. Understand industrial psychology applications VIII. Learn some basic contemporary concepts to understand employee's attitudes and behaviors in organizations

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.	Little
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.	Little
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.	High
SO6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	Not applicable
SO7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	Partial

Week	Topics	Learning outcome(s)
1	Introduction and Information about the Course Plan.	I
2	Fundamental Concepts: Work Psychology, Functions of Work Psychologist	I
3	Psychological Theories: Trait and Psychoanalytic Approach	II
4	Psychological Theories: Behaviorist Approach and Humanistic Psychology	II
5	Psychological Theories: Cognitive Psychology	II
6	Individual Differences	III
7	Intelligence, Intelligence Tests, Artificial and Emotional Intelligence	III
8	Cognitive Style	III
9	Personality and Personality Tests	III
10	Beliefs, Values and Attitudes	III
11	Stress, Anger and Conflict Management	IV
12	Leadership Theories and Political Skill	V, VI
13	Industrial Psychology Applications: Assessment Center and Talent Management	VII
14	Contemporary Topics: Job Satisfaction, Organizational Commitment, Organizational Citizenship Behavior, Organizational Justice Perception	VIII