

SUMMARY OF ASSESSMENT METHODS OF PROGRAM OUTCOMES

OUTCOME	ACTION/ STRATEGY	ASSESS. METHODS	WHEN	HOW / CRITERION	WHO
1. Apply the knowledge of electrical and electronics engineering, mathematics and science to engineering problems.	All EExxx courses, except EE 203, 204, 222, 307, 352, 361, 399, 413, 431, 441, 444, 491, 492, 499 MATH 101, 102, 203, 204 BIO 101, 110	Exams, Quizzes, Homeworks, Project Assignments, Reports and Demonstrations, Oral Presentations	Every year	In class	Instructor, Teaching Assistant
	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	In class	Instructor
	EE 203, 204, 353	Exams, Laboratory Reports, Quizzes	First and second years	In laboratory	Teaching Assistant
	EE 222, 307, 352, 361, 413, 431, 441, 444 PHYS 101, 102 CMPE 451	Exams, Quizzes, Homeworks, Project Assignments, Reports and Demonstrations, Oral Presentations, Laboratory Reports	Second, third, and fourth years	In class In laboratory	Instructor, Teaching Assistant
	EE 491, 492	Reports and Demonstrations, Oral Presentations, Participation in seminars	Fourth year	In class In laboratory	Instructor
2. Apply appropriate IT technologies and relate to at least one computer programming language.	EE 205	Exams, Quizzes, Homeworks, Project Assignments, Demonstrations	Second year	In laboratory	Instructor, Teaching Assistant
	CMPE 101, 112	Exams, Quizzes, Homeworks, Project Assignments, Reports and Demonstrations, Laboratory Reports	First year	In class In laboratory	Instructor, Teaching Assistant
3. Communicate effectively in English and Turkish, orally and in writing, as individuals and multi-disciplinary teams in a professional, ethical and responsible manner.	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	Summer practice	Instructor, Teaching Assistant
	EE 491, 492	Reports and Demonstrations, Oral Presentations, Participation in seminars	Fourth year	In class In laboratory	Instructor
	TUR 101, 102, ENG 101, 102	Exams, Quizzes, Reports	First, second, and third years	In class	Instructor
4. Design and conduct	EE 203, 204, 222, 352, 353, 361,	Exams, Laboratory Reports	Every year	In class	Instructor,

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experiments, and collect, analyze and interpret data.	413, 431, 441, 444, 491, 492 CMPE451, PHYS 101, 102	Quizzes		In laboratory	Teaching Assistant
5. Identify, model and solve engineering problems through utilizing modern techniques, skills and tools.	All EExxx courses, except EE 203, 204, 222, 307, 352, 361, 399, 413, 431, 441, 444, 491, 492, 499 MATH 101, 102, 203, 204 PHYS 101, 102 BIO 101, 110	Exams, Quizzes, Homeworks, Project Assignments, Reports and Demonstrations, Oral Presentations	Every year	In class	Instructor, Teaching Assistant
	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	Summer practice	Instructor
	EE 203, 204, 353	Exams, Laboratory Reports Quizzes	First and second years	In laboratory	Teaching Assistant
	EE 222, 307, 352, 361, 413, 431, 441, 444 CMPE 451	Exams, Quizzes, Homeworks, Project Assignments, Reports and Demonstrations, Oral Presentations, Laboratory Reports	Second, third, and fourth years	In class In laboratory	Instructor, Teaching Assistant
	EE 491, 492	Reports and Demonstrations, Oral Presentations Participation in seminars	Fourth year	In class In laboratory	Instructor
6. Design a system, component or process, using engineering design processes, to meet desired specifications within real-life constraints, such as economic, sustainability and environmental factors.	EE 222, 351, 352, 411, 415, 431, 441, 442, 443, 444, 451, 452, 461	Project Assignments, Reports and Demonstrations	Second, third, and fourth years	In class In laboratory	Instructor, Teaching Assistant
	EE 491, 492	Reports and Demonstrations, Oral Presentations Participation in seminars	Fourth year	In class In laboratory	Instructor
7. Recognize contemporary issues, and social, cultural, global, environmental and ethical responsibilities as an engineer.	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	Summer practice	Instructor
	EE 491, 492	Reports and Demonstrations, Oral Presentations Participation in seminars	Fourth year	In class	Instructor
	HIST 101, 102, ECON 101, 102, 110, PSY 104, HUM 101, 102, SOC 103, ART 100, 104, 201, LIT 100, PHIL 104	Exams, Quizzes, Discussions, Reports	First and second years	In class	Instructor, Teaching Assistant
8. Respect personal, social and	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	Summer practice	Instructor

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cultural differences in professional practice and function effectively in multidisciplinary teams.	EE 491, 492	Reports and Demonstrations, Oral Presentations, Participation in seminars	Fourth year	In class	Instructor
	HIST 101, 102, ECON 101, 102, 110, PSY 104, HUM 101, 102, SOC 103, ART 100, 104, 201, LIT 100, PHIL 104	Exams, Quizzes, Discussions, Reports	First and second years	In class	Instructor, Teaching Assistant
9. Engage in life-long learning that keeps abreast of professional and personal development.	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	Summer practice	Instructor
	EE 491, 492	Observations, Surveys Participation in seminars	Fourth year	In class	Instructor
10. Manage personal and professional affairs effectively, through problem solving, entrepreneurial and time-management skills.	EE 399, 499	Summer Practice Reports, Oral Presentation	Third and fourth years	Summer practice	Instructor
	EE 491, 492	Observations, Surveys, Participation in seminars	Fourth year	In class	Instructor
	TEDU 400 (Student Development Seminars)	Participation in seminars Surveys	First, second and third years	In class	Instructor
11. Recognize project management, risk management and change management issues.	EE 491, 492	Surveys, Participation in seminars	Fourth year	In class	Instructor