



HASAN KALYONCU UNIVERSITY
Faculty of Engineering
Course Description Form

COURSE: Multidisciplinary Integrated Project					
CODE: FE401		SEMESTER: FALL			
LANGUAGE: ENGLISH		TYPE: COMPULSORY			
PRE-REQUISITES: - CO-REQUISITES: -		THEORY	PRACTICAL	CREDIT	ECTS
WEEKLY HOURS: 4		0	8	4	5

CONTENT OF THE COURSE:

It is ensured that students undertake civil engineering duties in pre-determined integrated project topics including Mechanical, Computer, Electrical-Electronics Engineering departments or other different disciplines. The student works with a teammate or individually on the subject of civil engineering within the team formed. An assigned faculty member monitors and evaluates the student's progress.

OBJECTIVE OF THE COURSE:

The objective of the course is to broaden the students' concept of engineering problems to include more than one engineering discipline, to encourage students' creativity, to enhance their communication skills, and to provide a valuable educational experience for students to function in multidisciplinary teams.

WEEKLY SCHEDULE AND PRE-STUDY PAGES

Week	Topics
1	Introduction to the Module and Coursework briefing: the activities, targets, expectations
2	Introduction to the Project Concept: Transport and Traffic Management
3	Sustainable Urban Mobility
4	Visit of the project site on the field. Take real measurements and plan
5	Project Management Method Introduction
6	Project Management Method Introduction
7	Student Group Workshops
8	Interim Group Project Poster Presentations
9	Students Group Workshops
10	Students Group Workshops
11	Students Group Workshops
12	Students Group Workshops
13	Final Group Presentations and reporting
14	Final Group Presentations and reporting

TEXTBOOK: Class notes and google class notes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
LO1	3	0	0	0	0	3	2	0	0	0	0
LO2	3	0	0	0	0	3	2	0	0	0	0
LO3	3	0	0	0	0	3	2	0	0	0	0
LO4	3	0	0	0	0	3	2	0	0	0	0
LO5	3	0	0	0	0	3	2	0	0	0	0
PO: Program Outcomes LO: Learning Outcomes Values: 0: None 1: Low 2: Medium 3: High											

INSTRUCTOR(S):	Prof.Dr.Hanefi ÇANAKÇI
FORM PREPARATION DATE:	17.03.2020

LEARNING OUTCOMES OF THE COURSE:
<p>LO1: Learning significance and accuracy concepts in science and especially in engineering.</p> <p>LO2: Applying knowledge of math, science, and engineering to everyday problems.</p> <p>LO3: Learning how to communicate and share scientific ideas.</p> <p>LO4: Learning concept of engineering and its application to one and multi-dimension problems.</p> <p>LO5: Application of scientific principles and laws to broad range of problems including their application to life</p>

CONTRIBUTION OF THE COURSE TO VOCATIONAL EDUCATION
Students gain the ability to work in a single discipline or interdisciplinary team or individually. They also learn to take part and give duties in a multidisciplinary project.