## EQE512-Info

Monday, October 12, 2020 12:39 AM

Fall 2020 on line closses! -> for tune tely/unf
Graduate

Lectures: 14 weeks, Mondays 10am + 3hours,

This is the first new -6: Instructor As taught in Level

Class hours

This is the first part of two courses (EQE512 and EQE511) in which attendees will **Description** structural analysis of det<mark>ermi</mark>nant/inde<mark>termina</mark>nt sys<mark>tem</mark>s namely truss, beam, fram forces. Attendees will lea<mark>rn th</mark>e theory of Matrix Met<mark>hod</mark>s in structural response an and verifying by OpenSeespy. At the end of the term, students will have learned ho for data process and OpenSeesPy for construction of linear mathematical models of

3 Credits / 7.5 ECTS **Credits** 

**Pre-requisites** N/A

**Textbooks** John C. McCormac, Structural Analysis: Using Classical and Matrix Methods, Wil

J. S. P<mark>rzemien</mark>iecki, Theory of Matrix Structural Analysis, Dover, 978-0486649481

**Computer usage** This course requires use of computer programs such as Python and OpenSeesPy.

Grading

	ACTIVITIES	PERCENTAGES	
7	5 Problem Sets (each worth 4 points)	20%	— 2,4,6 X
7	<mark>l Midterm exam</mark>	25%	
	1 Term proj <mark>e</mark> ct	50%	> Products!
	Attendance and Participation	5%	

## **Academic** honesty

- 1. You may work with other students in understanding the homework problem state lecture notes, readings and recitation notes.
- 2. You may ask each other for assistance on questions of Python syntax and langua program logic to answer homework questions. If discussions of syntax and language the examples must be different than the homework problem.
- 3. You must write the Python program code on your own for each assignment. You other students' solutions, or show your solutions to other students. Sharing code from each other's code is a violation of the academic honesty policy.

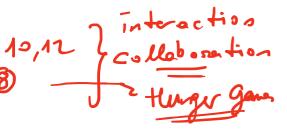
Any student that violates these guidelines may, at the discretion of the instructor-in final grade.

**Homework** and Exercise

DersKutusu is the platform where the students would receive, submit their homewo Active Learning receive and send term project etc.

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learn the fundamentals of es, slabs and walls under static alysis developing own codes w to develop own Python codes of the systems.



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ge features, but not on the ge features involve examples,

are not allowed to look at agments or viewing or copying

-charge, receive an F as their

rk, perform peer assessment,

Submissions

Accessing and using DersKutusu is highly essential.