

EQE512-Info

Monday, October 12, 2020

12:39 AM

Instructor	Dr. Ahmet Anil Dindar (adindar@gtu.edu.tr)										
As taught in	Fall 2020 <i>on line classes! → fortunately/unf</i>										
Level	Graduate <i>← 40 min Theory</i>										
Class hours	Lectures: 14 weeks, Mondays <u>10am</u> + <u>3</u> hours,										
Description	This is the first part of two courses (EQE512 and EQE511) in which attendees will structural analysis of determinant/indeterminant systems namely truss, beam, frame forces. Attendees will learn the theory of Matrix Methods in structural response and verifying by OpenSeespy. At the end of the term, students will have learned how for data process and OpenSeesPy for construction of linear mathematical models o										
Credits	3 Credits / 7.5 ECTS										
Pre-requisites	N/A										
Textbooks	John C. McCormac, Structural Analysis: Using Classical and Matrix Methods, Wiley J. S. Przemieniecki, Theory of Matrix Structural Analysis, Dover, 978-0486649481										
Computer usage	This course requires use of computer programs such as Python and OpenSeesPy.										
Grading	<table><thead><tr><th>ACTIVITIES</th><th>PERCENTAGES</th></tr></thead><tbody><tr><td>5 Problem Sets (each worth 4 points)</td><td>20%</td></tr><tr><td>1 Midterm exam</td><td>25%</td></tr><tr><td>1 Term project</td><td>50%</td></tr><tr><td>Attendance and Participation</td><td>5%</td></tr></tbody></table> <i>→ 2, 4, 6, (X) ↑ 6 → Products!</i>	ACTIVITIES	PERCENTAGES	5 Problem Sets (each worth 4 points)	20%	1 Midterm exam	25%	1 Term project	50%	Attendance and Participation	5%
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Academic honesty	<ol style="list-style-type: none">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 language 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. <p>Any student that violates these guidelines may, at the discretion of the instructor-in-final grade.</p>										
Homework and Active Learning Exercise	DersKutusu is the platform where the students would receive, submit their homework receive and send term project etc.										

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10 min Q/A, 10 min free

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⑧ } collaboration
} Hunger Games

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are not allowed to look at
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