# Introduction

MKS 537E – Intro to CAE

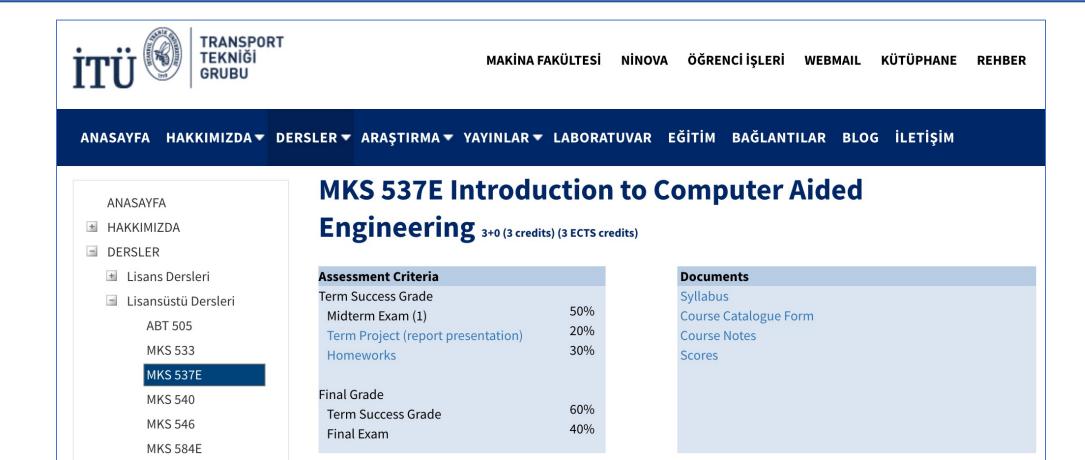
# Course plan

- **Week 1** ENGINEERING DESIGN & THE DESIGN PROCESS
- Week 2 IMPACT OF CAE ON ENGINEERING DESIGN
- Week 3 CAD HARDWARE & SOFTWARE
- Week 4 COMPUTER GRAPHICS
- Week 5 COMPUTER AIDED GEOMETRIC DESIGN
- Week 6 WIREFRAME MODELING
- Week 7 SURFACE MODELING
- Week 8 SOLID MODELING & ASSEMBLY MODELING
- Week 9 NUMERICAL METHODS IN DESIGN ANALYSIS
- Week 10 COMPUTER AIDED PROCESS PLANNING
- Week 11 CAM HARDWARE & SOFTWARE
- Week 12 DATA COMMUNICATION AND NETWORKING
- Week 13 COMPUTER INTEGRATED MANUFACTURING

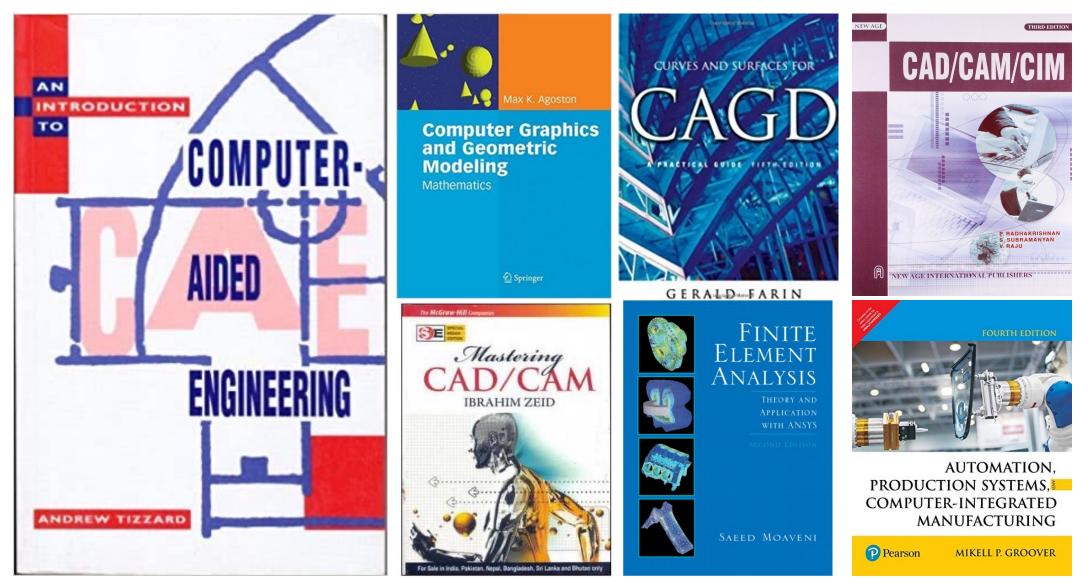
Week 14 SYSTEM SIMULATION

## Course materials

#### http://transport.itu.edu.tr/dersler/lisansustudersleri/mks537e



### Course materials



## Course notes

#### http://transport.itu.edu.tr/dersler/lisansustudersleri/mks537e/coursenotes



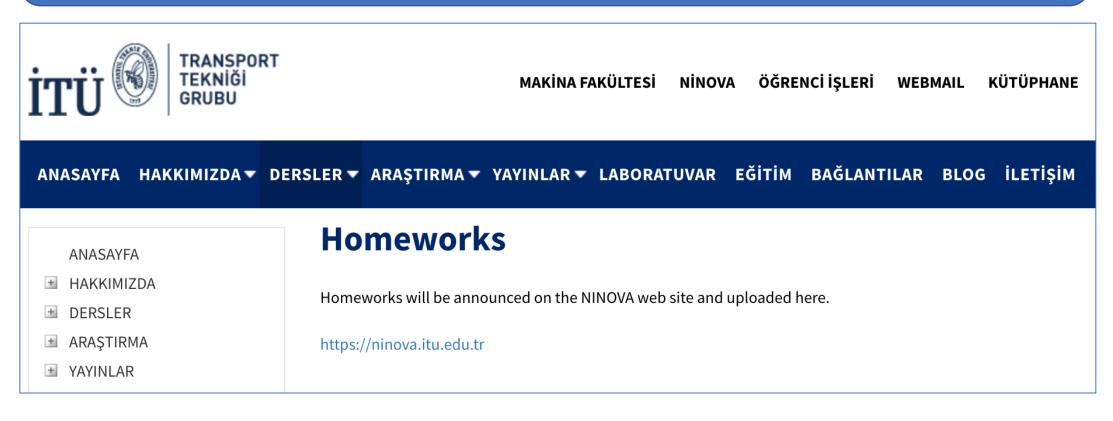
#### **Course Resources**

#### https://ninova.itu.edu.tr/Ders/20644/Dosyalar

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	Chapter_10-CAM.pdf			4 MB	18 October 2020 19:41

#### Homework

#### http://transport.itu.edu.tr/dersler/lisansustudersleri/ mks537e/homeworks



### Homework

#### https://ninova.itu.edu.tr/Ders/20644/Sinif/81722/Odevler

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# Term project

#### http://transport.itu.edu.tr/dersler/lisansustudersleri/mks537e

By surveying recent literature, write a (max. 10 pages) report and prepare a 30 minute oral presentation one of these topics. Submit your report both in hard copy and pdf file format.

# Term project

Term projects will be published on the web page as PDF after each student has completed their presentation. Presentations within the scope of the term project are included in the course topics and may appear as questions in the exams.

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#### Assessment

