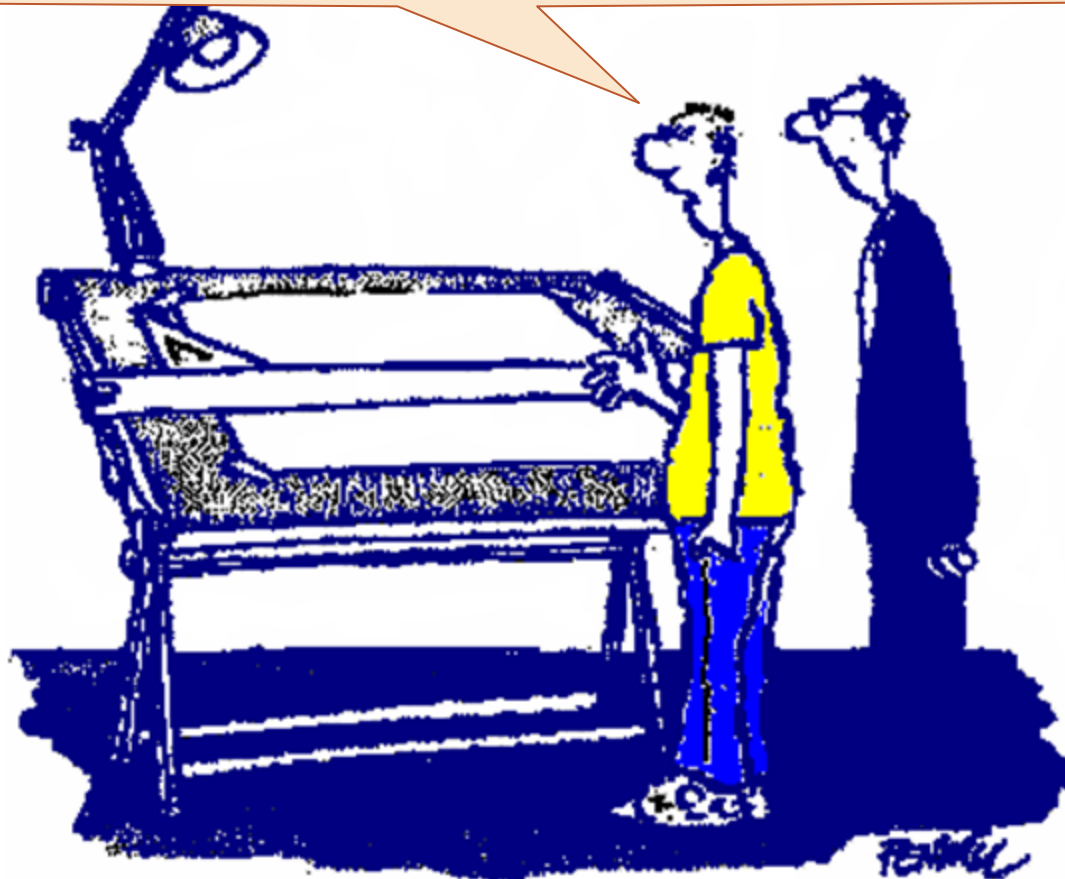


Wellcome to RES112E class



I haven't much experience of such an early version of AutoCAD



Information

Room No : 224

e-mail: imrak@itu.edu.tr



Office Hours

Tue 13³⁰-15³⁰

Wed 13³⁰-15³⁰

Thr 13³⁰-15³⁰

Course web site :

<http://transport.itu.edu.tr/dersler/lisansdersleri/res112e>

Ninova webpage



<http://ninova.itu.edu.tr>



Course objective

- ① computer aided **2D drafting & 3D solid modeling**, and to create fully defined engineering models
- ② **fundamentals of CADD** and the apply drafting and modeling methods on a specific CADD package (**AutoCAD & SolidWorks**)
- ③ how to design and align elements of an assembly and create **assembly drawings**
- ④ how to **print & present** standard 2D blueprint and solid models

Homework Rules

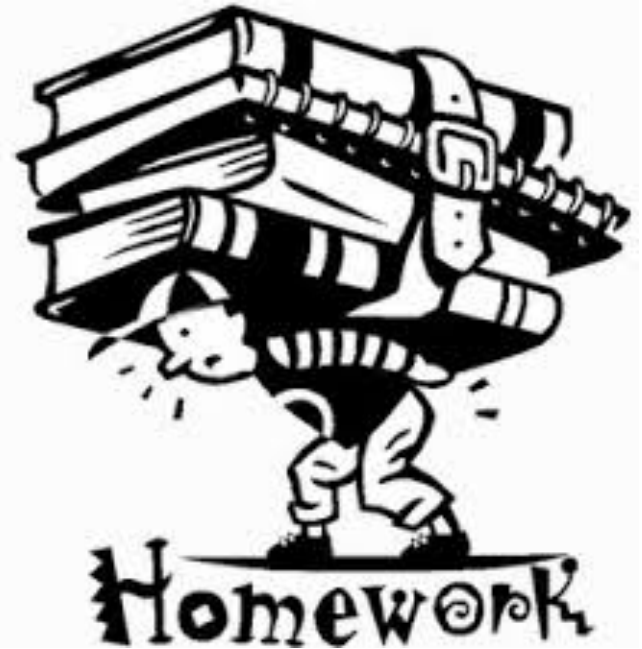
Submit your homework in hard copy with the label of your name & number **i.e. 030010001**

Homework #1 Multi-view

Homework #2 Section view

Homework #3 Solid modeling

Homework #4 Assembly



<http://transport.itu.edu.tr/dersler/lisansdersleri/res112e/homeworks>

Homework Rules

Late homework is not evaluated.

see homework page



Homework should be submitted in due time with complete form.

Design project



<http://transport.itu.edu.tr/dersler/lisansdersleri/res112e/desingproject>

Assignment Rules

Lectures & practice will be in **404 / 409**
Comp.Lab on

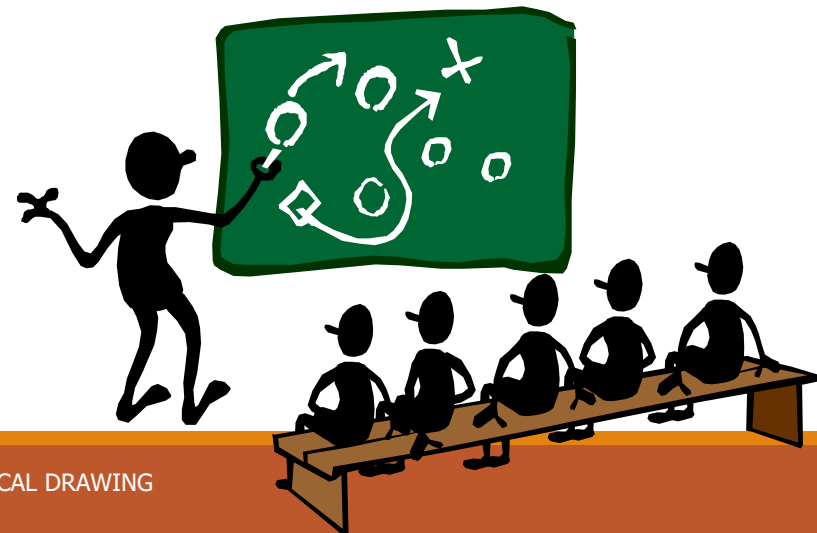
WEDNESDAYS 08³⁰ – 12³⁰

THURSDAYS 08³⁰ – 12³⁰

It is compulsory to ATTEND at least

70 % of the class &

Repeating the assignments
is **not** possible



Class starts 08:30

Please no ENTER after 08:45

Just WAIT outside



During the class & assignments

Please



Achievement Grade

Article 20 – a) A minimum of **70 % attendance** at the classes and minimum of 80 % attendance at the independent applied classes such as laboratory and workshops is mandatory.

Students who **cannot fulfill** the attendance requirement and other defined requirements shall **not be allowed** to take the **final examination** at the end of the semester.

see ITU Undergraduate Academic Regulations

Attendance check

1st check before



calling out an official list of
names



2nd check

after uploading the file
& before leaving
the comp.lab.



Achievement Grade

VF Nonattendance is the grade given to students who have failed to regularly attend courses or have not fulfilled the requirements of course practices.

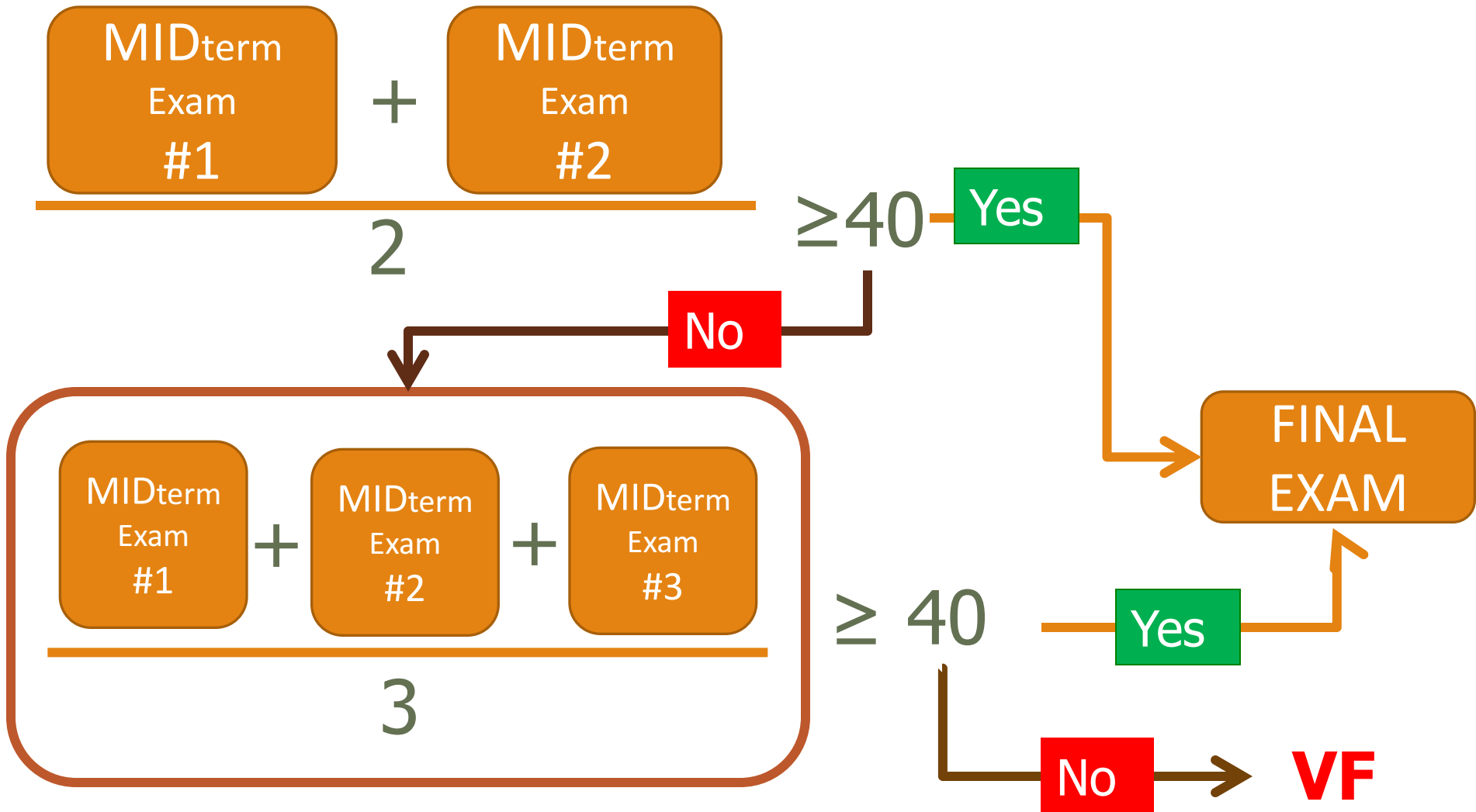
These requirements are:

ATTEND at least **70%** of the practice.

FULFILL at least average grade of **40** in **midterm exams**

FULFILL at least grade of **50** in **design project**

Achievement Grade

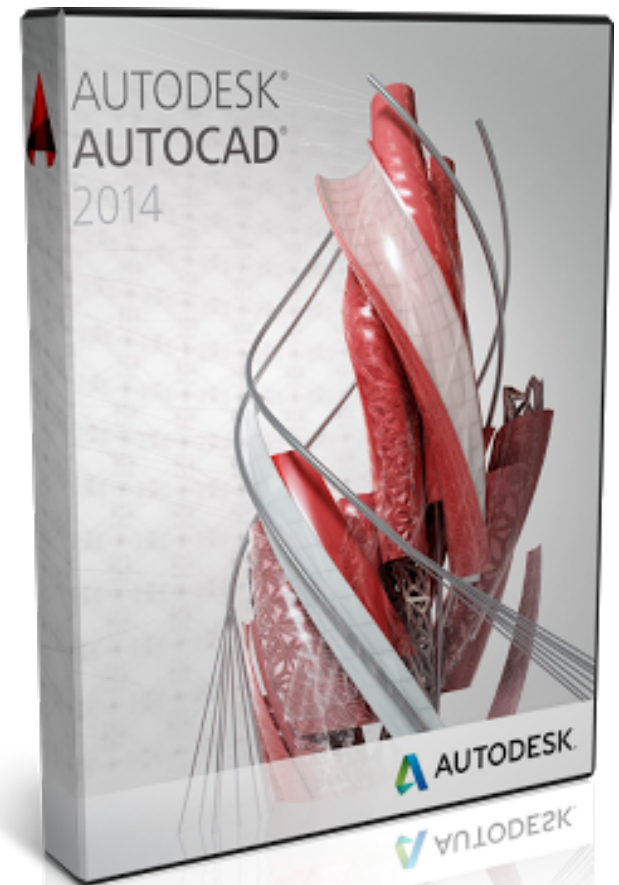


AutoCAD usage



AUTODESK
AUTOCAD
2014 used for

- ❖ first 5 assignments
- ❖ HW #1
- ❖ HW #2
- ❖ HW #3 (partially)
- ❖ MT #1

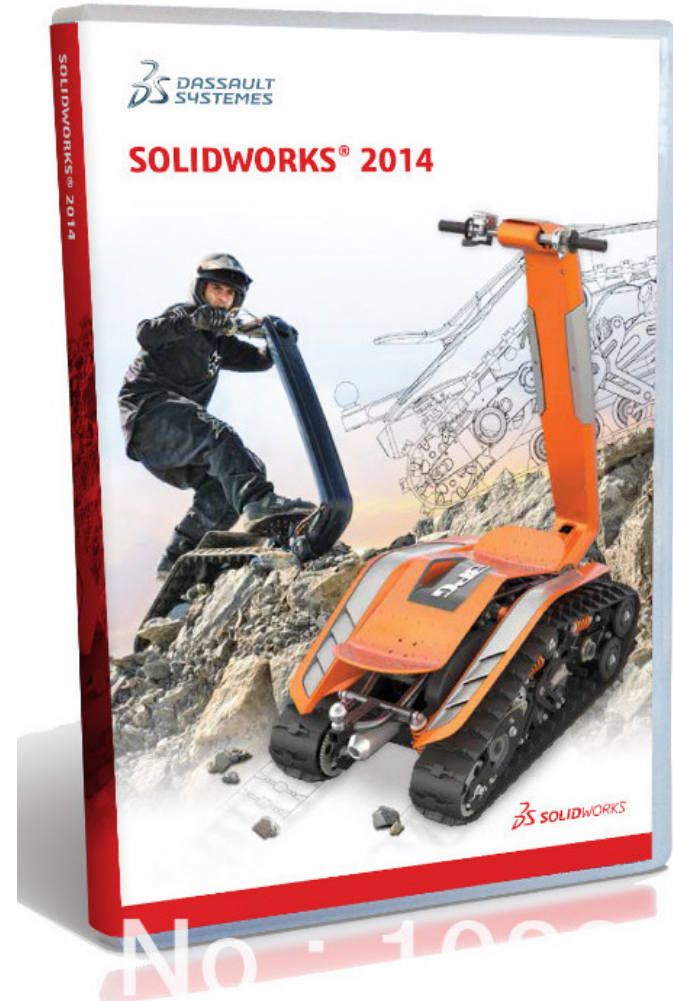


SolidWorks usage



used for

- ❖ last 5 assignments
- ❖ HW #3 (partially)
- ❖ HW #4
- ❖ MT #2
- ❖ Final Exam



Textbook

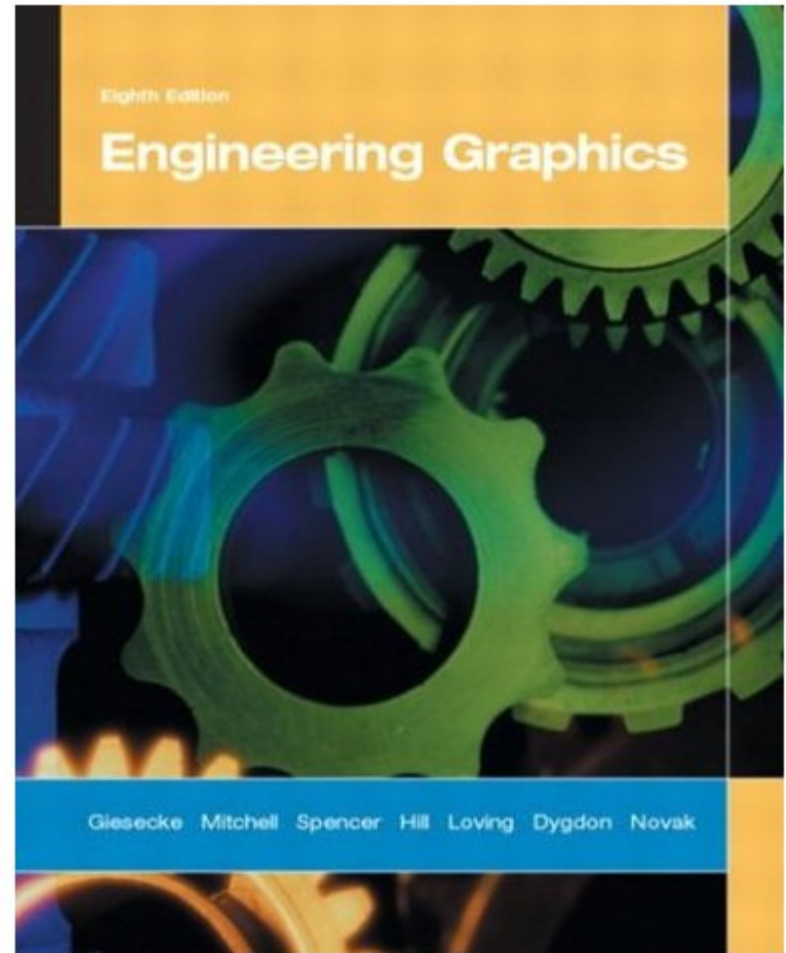
All homework &
assignments are from

Engineering Graphics,

F. E. Giesecke, et.al.,
Pearson/Prentice Hall,
New Jersey, 2004

in ME Library

T353 .E54 2004



Textbook

All homework & assignments
are from

Engineering Design Graphics,

AutoCAD 2007 12th Edition

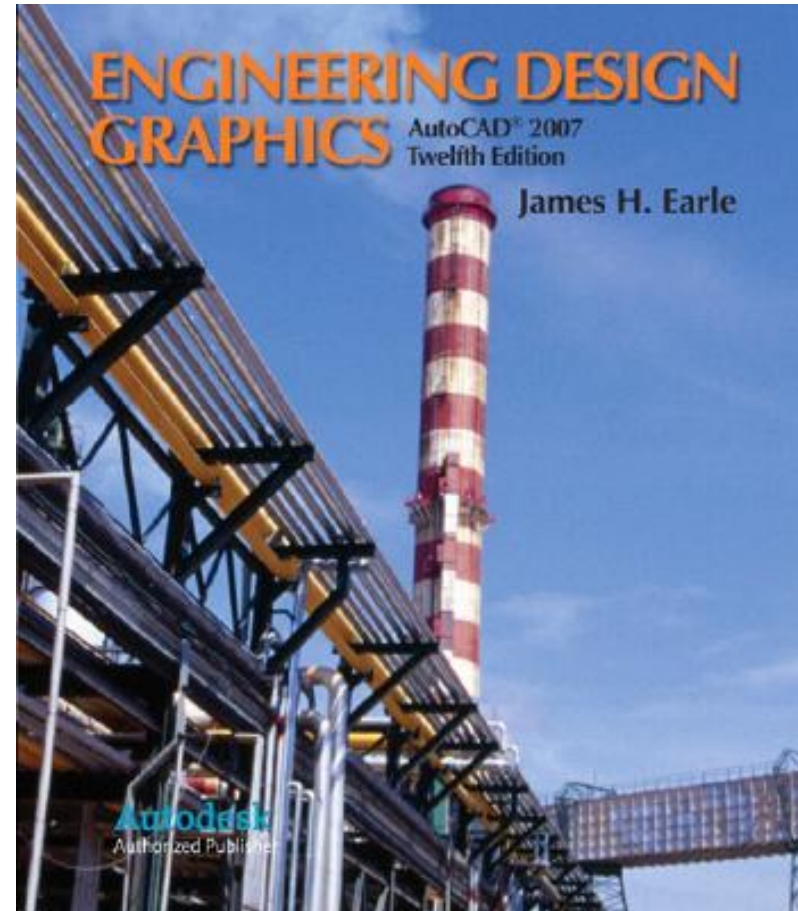
J.H. Earle

Pearson/Prentice Hall,

New Jersey, 2008

in ME Library

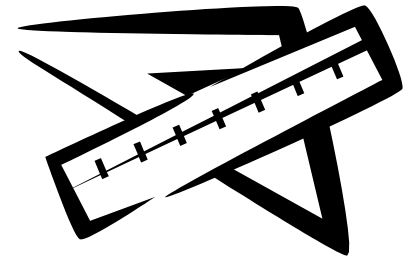
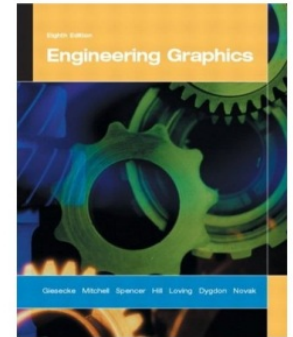
TA174.E27 2008



Next course

bring

- a copy of «Engineering Graphics»
- a 45-45-90 triangular / ruler
- a pen /pencil
- a notebook
- RES 105 notes / book



Assignment road

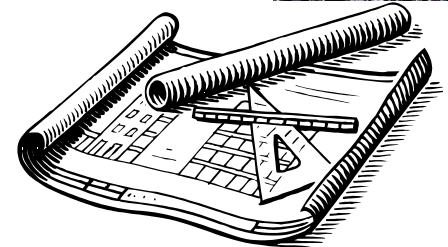
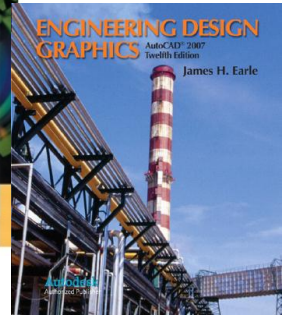
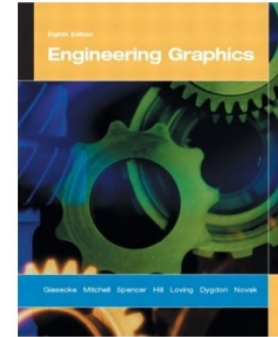
Assignment addressed from
the Book [**page & Figure no**]



Use RES105 notes + drawing
equip + AutoCAD help

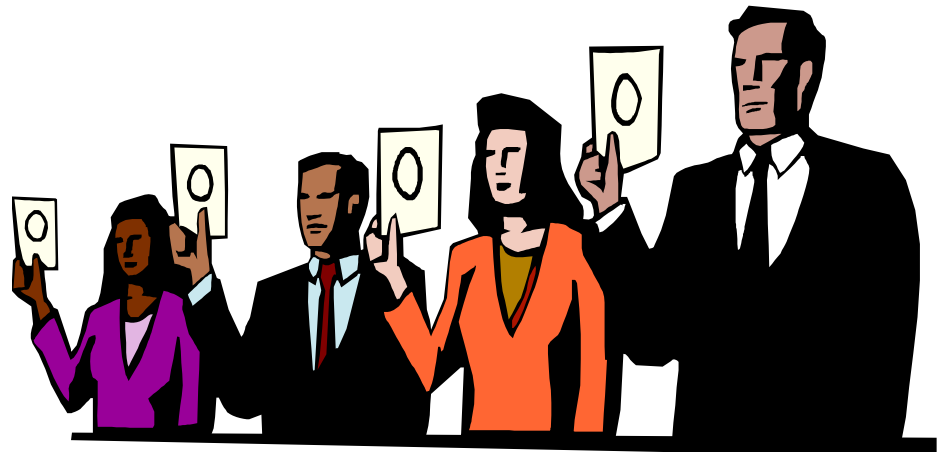


Generate drawing +
Upload the file into NINOVA



Assessment Criteria

Midterm Exam	20% (2 exams)
Homework	10% (4 homeworks)
Design project	10%
Assignments	20% (average of the assignments)
Final Exam	40%

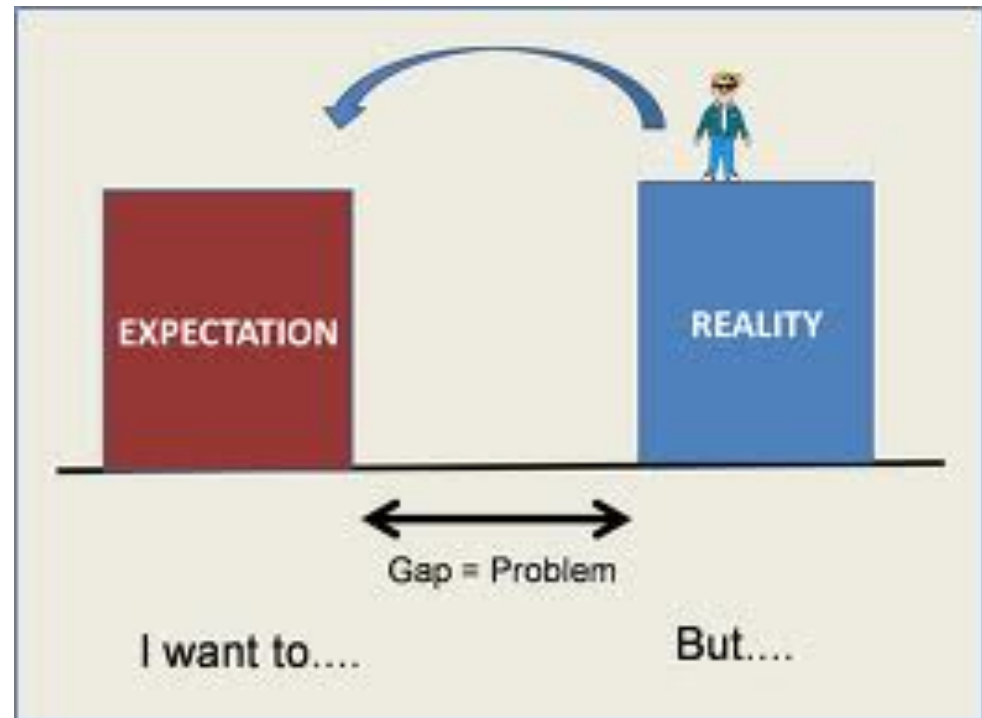


Achievement Grade

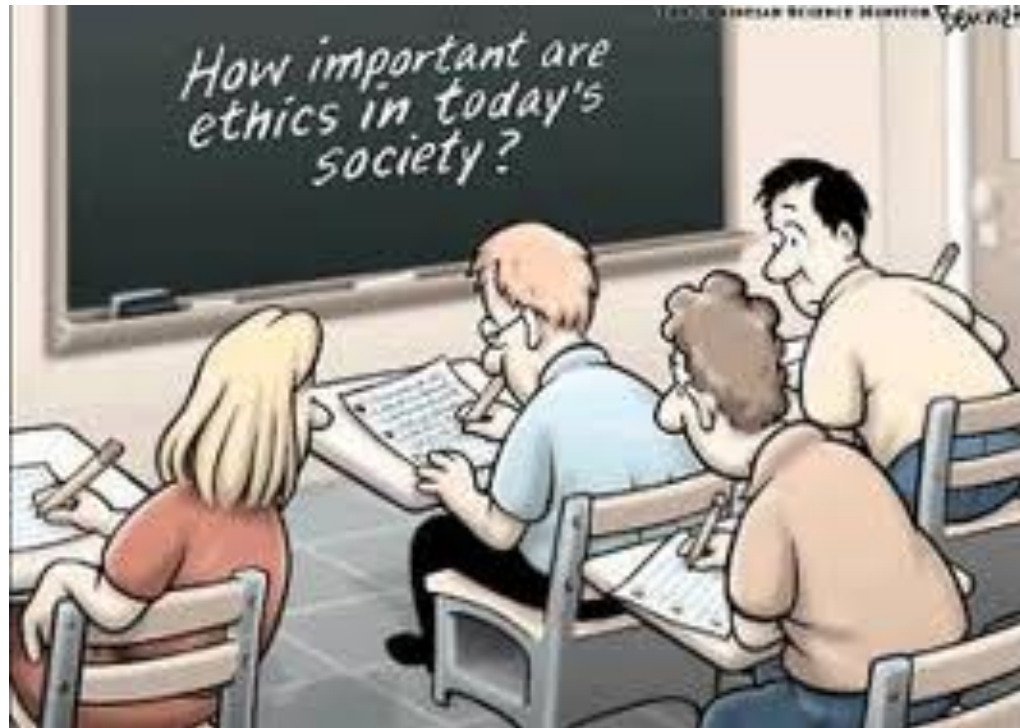
Article 20 – d) There shall be **no make-up** examinations for **mid-term** examinations. Students who do not take a mid-term examination shall be deemed to have received **(0.00)** from the examination mentioned.

see ITU Undergraduate Academic Regulations

There is a **minimum expectation** for achievement, regardless of over-all class performance & curve fitting adjustments



Professional ethics is equally important.



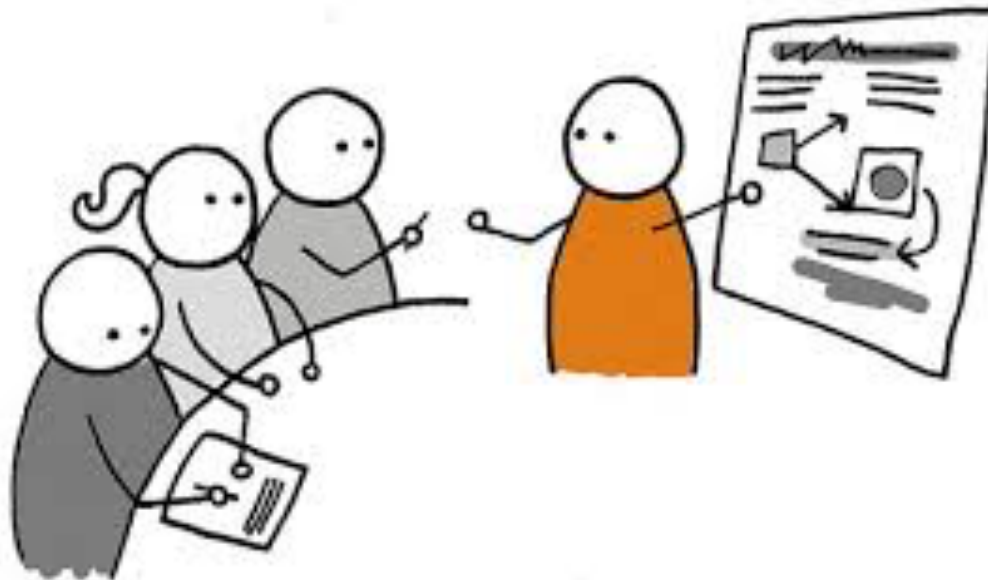
(no cheating and unjustifiable excuses ...)

You are expected to be enthusiastic and
involved actively participate all
class activities
work hard
and smart.



It is important to :

Read, think and discuss the subject matter with your colleagues, TA and me.



It is important to :

It is possible in my class' students do get

AAs BAs & BBs

but also student fail my class

because they are not

involved and do not

work hard.



Further Information

You may interrupt me any time
during the lecture to ask a question.



Myths, Lies, & Truths

2011 Bölüm Kurul Kararı

18 Nisan 2011

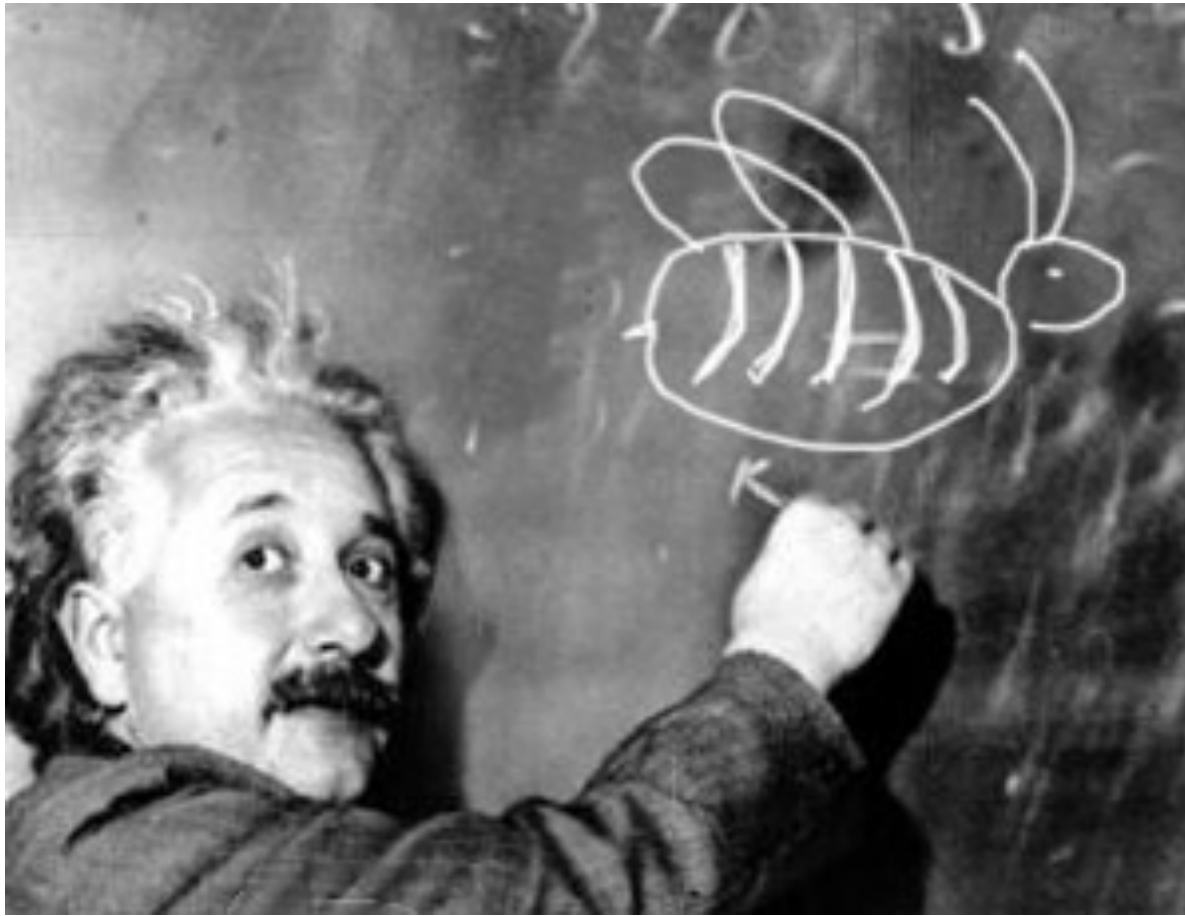
Bölüm Kurulu'nda DD harf notu için tavsiye kararı olarak minimum ham not 45/100 belirlenmiştir.

İTÜ Makina Fakültesi Dekanlığı

Evaluation and overall grading scale

Final grade will be awarded as following. However, the instructor may adjust the scale according to the class performance. The following grading scale is the suggested grading scale.

Marking System			
AA	93 – 100	CC	51 – 60
BA	92 – 85	DC	47 – 50
BB	71 – 84	DD	45 – 47
CB	61 – 70	FF	< 45



It is harder to crack a prejudice
than an atom.



**I wish you a productive semester,
lot of success and fun (if possible !)**