WELCOME TO
ME 101
ENGINEERING GRAPHICS

2025-2026
FALL

LECTURERS
Prof. Dr. Nihat YILDIRIM
Assoc. Prof. Dr. Abdullah AKPOLAT

COURSE OBJECTIVE

Engineering drawing is the Universal Language in all phases of industrial and engineering work, therefore, all engineering and technical personnel must have a good knowledge of drawing techniques.

- A language used in the design process for communicating, solving problems, quickly and accurately visualizing objects, and conducting analysis
- A graphical representation of objects and structures and is done using freehand, mechanical, or computer methods

COURSE OUTLINE AND SCHEDULE
(2025-2026 FALL SEMESTRE)

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LECTURERS : Prof. Dr. Nihat YILDIRIM
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ASSISTANTS:

COURSE OUTLINE AND SCHEDULE
(2025-2026 FALL SEMESTRE)

WEEK	DATE	TOPICS	READING ASSIGNMENTS (PAGES)
1	26/09/25	INTRODUCTION and LETTERING	METU (1-20) BAĞCI (31-35)
2	03/10/25	GEOMETRICAL CONSTRUCTIONS	METU (21-30) BAĞCI (36-57)
3	10/10/25	ORTHOGRAPHIC PROJECTION	METU (31-88) BAĞCI (60-82)
4	17/10/25	ORTHOGRAPHIC PROJECTION	METU (31-88) BAĞCI (60-82)
5	24/10/25	ORTHOGRAPHIC PROJECTION	METU (31-88) BAĞCI (60-82)
6	31/10/25	ORTHOGRAPHIC PROJECTION and AUXILIARY VIEWS	METU (31-88) BAĞCI (60-82)
7	07/11/25	ISOMETRIC DRAWING	METU (89-102) BAĞCI (98-102)
8	14/11/25	MIDTERM I	

COURSE OUTLINE AND SCHEDULE
(2025-2026 FALL SEMESTRE)

WEEK	DATE	TOPICS	READING ASSIGNMENTS (PAGES)
9	21/11/25	ISOMETRIC DRAWING	METU (89-102) BAĞCI (98-102)
10	28/11/25	OBLIQUE DRAWING	METU (103-108) BAĞCI (103-105)
11	05/12/25	OBLIQUE DRAWING	METU (103-108) BAĞCI (103-105)
12	12/12/25	SECTIONING	METU (109-142) BAĞCI (86-94)
13	19/12/25	MIDTERM II	
14	26/12/25	DIMENSIONING	BAĞCI (109-126)
15			

REQUIRED INSTRUMENTS AND MATERIALS

1. PENCILS (Standard or Semiautomatic), (2H, H, F) or (2H, H, HB)
2. ERASER (Soft and Good Quality)
3. SAND PAPER PAD (Zımpara), and PENCIL SHARPNER
4. T-SQUARE (About 50 cm Long)
5. 30° -60° TRIANGLE (About 20 cm in Hypotenuse Length)
6. 45° TRIANGLE (About 15 cm Long Right Edges)
7. DRAWING PAPER SIZE A-4 (About 10 will be needed)
8. A COMPASS SET
9. NOTE BOOK WITH SQUARED PAGES
10. A FILE (Dosya)
11. CLEANING CLOTH or DRAFTSMEN'S BRUSH
12. RULER or STRAIGHT EDGE
13. SCOTCH TAPE

TEXT BOOK:

1. FRENCH, T. E., VIERCK, C. J. and FOSTER, R. J. Engineering Drawing and Graphics Technology, McGraw-Hill, Inc., 14th Edition, New York, 1993.

REFERENCE BOOKS:

1. Notes on Engineering Drawing, METU, Mechanical Engineering Department, 1984.
2. BAĞCI, Mustafa, Makina Teknik Resmi, M. E. B. Devlet Kitapları, TİFDRUK Matbaacılık San. A.Ş. İstanbul, 1981.

THE FINAL GRADE WILL BE WEIGHTED AS FOLLOWS:

MIDTERM I	20 %
MIDTERM II	20 %
CLASS and HOME WORKS	20 %
FINAL	40 %
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	100 %

NOTES:

1. Make-up examinations will be set-up much harder, because those taking make-up tests will have an unfair knowledge on the nature of questions. Therefore; all students are advised to take regularly scheduled exams.

2. Each student must keep all his class-works and home-works neatly in a file. The files will be collected and checked at the end of the semester.

3. As you know attendance to classes is compulsory. All the students are required to be present at 70% of lectures and 80% of class-works held. Otherwise they will not be permitted to take final examination.

A B C D E F G H I J K L M N O P Q R S T U V W

X Y Z

a b c d e f g h i j k l m n o p q r s t u v w x y z

1 2 3 4 5 6 7 8 0

A B C D E F G H I J K L M N O P Q R S T U V W

X Y Z

a b c d e f g h i j k l m n o p q r s t u v w x y z

1 2 3 4 5 6 7 8 9 0

Re-write the vertical and inclined letters using the guidelines given below.

Drawn by	ABDULLAH AKPOLAT	ENGINEERING GRAPHICS	UNIVERSITY OF GAZIANTEP FACULTY OF ENGINEERING
Date	26.09.2025	LETTERING	
Control	ABDULLAH AKPOLAT		Drawing No: HW-1
Scale			