ME 151 Engineering Drawing and Projection

C O U R S E I N F O R M A T I O N

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
None	1	2	2	2	0	2

C O U R S E A I M

To give the students the ability to communicate by means of Engineering Drawing and to relate the applications of drawing techniques to engineering practice.

C O U R S E W E E K L Y C O N T E N T S

1 Engineering Drawing tools – line types - Drawing operations (Exercises on drawing operations).
2 Drawing Operation Applications (Exercises on Drawing Operations).
3 Orthographic Projection from simple Isometric (Exercises on Orthographic Projection).
4 Orthographic Projection from complicated Isometric (Exercises on Orthographic Projection).
5 Orthographic Projection from Isometric with Curves and Circles (Exercises on Orthographic Proje
6 Drawing notations: Dimensions and Text (Exercises on Darwing notations).
7 Isometric Drawing (Exercises on Isometry) / 7th week evaluation.
8 Isometric Drawing with curves and circles (Exercises on Isometry).
9 Missing view (Exercises on Missing view).
10 Missing view (Exercises on Missing view).
11 Extracting Missing view & Isometry (Exercises on Missing view & Isometry).
12 Additional views (Exercises on Missing view & Isometry) / 12th week evaluation.
13 Sectioning and Hatching (Exercises on Sectional views).
14 Partial Sectioning (Exercises on Sectional views).
15 General Revision (Exercises on Missing view, Isometry and Sectional views).

S T U D E N T G R A D I N G & A S S E S S M E N T

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	**20 Midterm**	← 10 MARKS To be freely distributed among possible assessments				→	**30**
8 to 12	←		20 MARKS			→	**20**
13 to 15	←		10 MARKS			→	**10**
16 or 17	**40**	**Final**					**40**
Total	**80**	**5**	**0**	**10**	**0**	**0**	100

R E F E R E N C E S

Textbook S. Bogolyulov A. Voinor, "Engineering Drawing", MIR Publishers, Latest Edition.