



Department of Basic and Applied Science
Smart Village Campus

ME151

Engineering Drawing

Second 2013

Course Outline

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Objective:	<ul style="list-style-type: none">- Teaching the students the language through which designers, Engineers and Technicians communicate ideas and designs- Developing the student skills in using the drafting tools as well as giving them the habits of accuracy, neatness and cleanliness.- Exposing the student to simple plane geometrical constructions that are excessively used in producing graphical representations of real life machine parts and components												
Text:	Engineering Drawing, Course no. (B151), Department of Basic and Applied Science												
Grading:	<p><u>Evaluating system</u></p> <p><u>Evaluating system</u></p> <table><tr><td>1- 5th Week Quiz</td><td>10 marks</td></tr><tr><td>2- 7th Week Exam</td><td>20 marks</td></tr><tr><td>3- 12th Week Exam</td><td>20 marks</td></tr><tr><td>4- Pre- Final (Year work)</td><td>10 marks</td></tr><tr><td>5- Final Exam</td><td>40 marks</td></tr><tr><td>Total</td><td>100 marks</td></tr></table>	1- 5 th Week Quiz	10 marks	2- 7 th Week Exam	20 marks	3- 12 th Week Exam	20 marks	4- Pre- Final (Year work)	10 marks	5- Final Exam	40 marks	Total	100 marks
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Good Luck

Week of		E V E N T	
1	Feb 20 th	Lecture	- Introduction and standardization of engineering Drawings - Geometric constructions Tangent arcs, regular polygons, ellipse.....
		Tutorial	Sheet (1), Page 59, # 1,2,3 + Sheet (2)
2	Feb 27 th	Lecture	Application of geometric constructions in a scale of 1:1 (Keeping points of tangency and not putting dimensions on the drawing)
		Tutorial	Page 60 # 4, 6, 8, 11, 15 + sheet (3)
3	Mar 6 th	Lecture	Orthogonal Projection: Orthogonal projection of simple components of flat surfaces in a scale of 1:1
		Tutorial	Page 66 # 30, 31, 33 + sheet (4)
4	Mar 13 th	Lecture	Orthogonal Projection: Orthogonal projection of flat and inclined surfaces in a scale of 1:1, the intersection between the flat and inclined surfaces
		Tutorial	Page 66 # 34, 36, 37, Page 67 # 39, 40 + sheet (4)
5	Mar 20 th	Lecture	Orthogonal Projection: Orthogonal projection of flat and round surfaces in a scale of 1:1, the intersection between the flat and rounded surfaces
		Tutorial	Page 66 # 35, Page 67 # 42, 43, Page 68 # 44, 47 + Quiz (10 marks)
6	Mar 27 th	Lecture	Isometric Projection: Application on redrawing the isometric of components
		Tutorial	Page 66 # 32, 35, Page 67# 38, 41 Page 68 # 46,48
7	Apr 3 rd	Seventh Exam (20 marks)	
8	Apr 10 th	Lecture	Missing view: Application on deducing the missing view from the given views
		Tutorial	Page 69 # 50, 52, 54, 55, Page 70 # 58, 60, Page 71 # 66, 68, 71, + sheet (5)
9	Apr 17 th	Lecture	Missing view: Application on deducing the missing view from the given views Sections: Application of full sectioning of components
		Tutorial	Missing view : Page 74, #85, sheet (5) / Sections: Sheet (6)
10	Apr 24 th	Lecture	Sections: Application of full sectioning of components
		Tutorial	Page 79 # 103, 104, 105 + Sheet (6)
11	May 1 st	Holiday	
12	May 8 th	Twelfth Exam (20 marks)	
13	May 15 th	Lecture	Sections: Application of revolved, remove and offset sectioning of components
		Tutorial	Page 80 # 108, 109, 110 + Sheet (6)
14	May 22 nd	Lecture	Dimensioning: Drawing of components and dimensioning the views
		Tutorial	Sheet (7)
15	May 29 th	Final Exam	