



Institut Kemahiran MARA Kuching Sarawak

SCHEME OF WORK

COURSE :	SIJIL TEKNOLOGI BEKALAN AIR DAN PEMBENTUNGAN		
SESSION :	JAN – JUN 2009	SEMESTER :	2
CODE/SUBJECT :	TCV 2092 COMPUTER AIDED DRAFTING		
HOURS/WEEK :	3	CREDIT HOUR :	2
LECTURER :	EN ISMAIL BIN MT DAUT		

WEEK	DATE	TOPICS/CONTENTS	HOURS	REMARKS
1	05/01 - 09/01/09	1. INTRODUCTION TO COMPUTER AIDED DESIGN 1.1 Important Of CAD Program 1.2 CAD Over View And General Terminology 1.3 Drawing Editor , Screen 1.4 Layout , Funtion Keys	3	THEORY & PRACTICAL
2	12/ 01 - 16/01/09	2. MAIN MENU 2.1 Pulldown Menu / Menu Bar 2.2 Command Line 2.3 Status Line 2.4 Screen Menu / Icon	3	THEORY & PRACTICAL
3	19/01 - 23/01/09	3. SETTING 3.1 Drawing Aids – Snap , Grid , 3.2 Ortho And Modes 3.3 Units 3.4 Limits	3	THEORY & PRACTICAL
4	26/01 - 30/01/09	4. FILE COMMAND . 4.1 New 4.2 Open 4.3 Save 4.4 Save As 4.5 Print 4.6 Exit		CHINESE NEW YEAR

WEEK	DATE	TOPICS/CONTENTS	HOURS	REMARKS
5	02/02 - 06/02/09	5. BASIC DRAWING COMMAND 5.1 Line 5.2 Circle 5.3 Arc	3	THEORY & PRACTICAL
6	09/02 - 13/02/09	6. MODIFY COMMAND 1 6.1 Erase 6.2 Copy 6.3 Offset 6.4 Mirror 6.5 Undo 6.7 Redo	3	THEORY & PRACTICAL
7	16/02 - 20/02/09	7. COORDINATE SYSTEM 7.1 Absolute Coordinate System 7.2 Relative Coordinate System 7.3 Polar Coordinate System	3	THEORY & PRACTICAL
8.	23/02 - 27/02/09	8. MODIFY COMMAND 2 8.1 Trim 8.2 Chamber 8.3 Fillet 8.4 Break 8.5 Extend	3	THEORY & PRACTICAL & TEST 1 (20%)
9	02/03 - 06/03/09	9. OBJECT SNAP 9.1 End Point 9.2 Mid Point 9.3 Center Quadrant 9.4 Intersection 9.5 Perpendicular 9.6 Tangent 9.6 Nearest	3	THEORY & PRACTICAL
10	09/03 - 13/03/09	10. LAYERS 10.1 New Layer 10.2 Delete Layers 10.3 On / Off Layer 10.4 Colors 10.4 Line Types	3	THEORY & PRACTICAL
11	16/03 - 20/03/09	ACTIVITY WEEK		

WEEK	DATE	TOPICS/CONTENTS	HOURS	REMARKS
12	23/03 - 27/03/09	11. MODIFY COMMAND 3 11.1 Move 11.2 Rotate 11.3 Stretch 11.4 Properties	3	THEORY & PRACTICAL
13	30/03 - 03/04/09	12. ARRAY 12.1 Rectangular 12.2 Polar	3	ASSIGNMENT (10%)
14	06/04 - 10/04/09	13. DISPLAY COMMAND – ZOOM 13.1 Zoom All 13.2 Zoom Extend 13.3 Zoom Previous 13.4 Zoom Window 13.5 Zoom Real – Time 13.6 Pan 13.7 Redraw 13.8 Regen	3	THEORY & PRACTICAL
15	13/04 - 17/04/09	14. TEXT STYLE 14.1 Font Name 14.1 Height 14.3 Width Factor 14.4 Oblique	3	THEORY & PRACTICAL
16	20/04 - 24/04/09	15. DIMENSIONING STYLE 15.1 Geometry 15.2 Format 15.3 Annotations	3	THEORY & PRACTICAL & TEST 2 (25%)
17	27/04 - 01/05/09	16. DIMENSIONING 16.1 Linear 16.2 Aligned 16.3 Radius 16.3 Diameter 16.4 Angular 16.4 Leader	3	THEORY & PRACTICAL

WEEK	DATE	TOPICS/CONTENTS	HOURS	REMARKS
18	04/05 - 08/05/09	17. HATCH 17.1 Pattern 17.2 Scale 17.3 Angle 17.4 Pick Point 17.5 Preview Hatch	3	THEORY & PRACTICAL
19	11/05 - 15/05/09	18. PLOTTNG 18.1 Device And Default 18.2 Selection - Paper Size And Printer 18.2 Pen Assignment 18.3 Display 18.4 Limits 18.5 Windows 18.6 Scale / Scale To Fit 18.7 Rotation 18.8 Preview 18.9 Plotting	3	THEORY & PRACTICAL
20	18/05 - 22/05/09	REVISION WEEK	3	THEORY & PRACTICAL
21	25/05 - 29/05/09	FINAL EXAM WEEK / REVISION WEEK		
22	01/06 -05/06/09	FINAL EXAM WEEK		
23	08/06 -12/06/09	FINAL EXAM WEEK		

Prepared by :	Checked by :	Approved by :
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Designation : PPLV	Designation : PPLV	Designation :
Date : 5 JAN 2009	Date : 6 JAN 2009	Date :