

University of Management and Technology
School of Architecture & Planning
Department of City and Regional Planning

Semester Spring 2021

Course Outline

Course code: CRP-103

Course title: Computer Aided Design & Modeling

Program	BS-CRP	
Credit Hours	0+2	
Duration	16 weeks	
Prerequisites	None	
Resource Person	Ar. Muhammad Salman	
Counseling Timing		
Contact	0333-2502288	Email: ar.salman@umt.edu.pk

Chairman/Director signature.....

Dean's signature.....

Date.....

Learning Objective:

To impart skills in technical drawings with understanding of scale through computer aided designs.

Learning Methodology:

- Demonstration
- Drawing and drafting Assignments
- Use of related software

Grade Evaluation Criteria

Following is the criteria for the distribution of marks to evaluate final grade in a semester.

Marks Evaluation	Marks in percentage
Assignments	20
Mid Term Project	30
Final Term Project	40
Viva/Portfolio	10
Total	100%

Recommended Text Books:

- Omura. G., & Benton, B. (2017), *Mastering Auto CAD 2017*, John Willey & Sons Inc., Indiana.
- CADArtifex (2016), *Auto CAD 2017: A Power Guide for Beginners and Intermediate Users*.
- Stolins, F., Mardar, C., Marotti& Murphy, *Essentials of Computer Designs*, Labyrinth Publication, ISBN:1-59136-027-7

Calendar of Course contents to be covered during semester

Week	Course Contents	Reference Chapter(s)
1	Introduction to Drafting Tools	Class demonstration
2	Introduction to basic 2d commands.	//
3	Drafting Assignment.	//
4	Drafting assignment.	//
5	Progress and working on Mid Term Project (1 Kanal residential).	//
6	Progress and further working on Mid Term Project (1 Kanal residential).	//
7	Progress and further working on Mid Term Project (1 Kanal residential).	//
8	Final submission of project and viva.	//
9	Lecture on line weights.	//
10	Introduction to Final term project (2 kanal commercial plaza 2D and 3D)	//
11	Introduction to 3d modelling	//
12	Progress and working on practical assignment (2 Kanal commercial plaza).	//
13	Progress and working on practical assignment (2 Kanal commercial plaza).	//
14	Progress and working on practical assignment (2 Kanal commercial plaza).	//
15	Progress and working on practical assignment (2 Kanal commercial plaza).	//
16	Submission of Final term project and viva	