



# Philadelphia University

Faculty of Engineering and Technology  
Department of Architecture  
Second Semester 2022/2023

## Course Details:

<b>Title:</b>	Architectural Drawing (0660161)			
<b>Prerequisite:</b>	Manual Engineering Drawing (0660131)			
<b>Credit Hours:</b>	6 credit hours (16 weeks per semester, approximately 96 contact hours)			
<b>Course Logistics</b>	Term, class location and time, notation if online			
<b>Textbook:</b>	Given by Instructor.			
<b>References:</b>	<ul style="list-style-type: none"> <li>• Ching , Francis. "<b>Architectural Graphics</b>". John Wiley &amp; Sons, Inc : Now York, 1996</li> <li>• Ching, Francis, &amp; Steven Juroszek. "<b>Design Drawing</b>". 1998</li> <li>• Forseth, Kevin. "<b>Graphics for Architecture</b>", VNR : New York, 1997</li> <li>• EDWARDS, BETTY. "<b>The new Drawing on the Right side of the Brain</b>" Workbook. J.P. Tarcher, 2002</li> <li>• Jefferis, Madsen &amp; Madsen, "<b>Architectural Drafting and Design</b>", 6th ed. Pearson Prentice Hall.</li> </ul>			
<b>Course Description:</b>	Architectural drawing had its beginnings when people constructed the first primitive lean-to shelters. As structures became more complex, detailed drawings were needed. Today's architectural designer wears many hats: a structural engineer, a designer, system engineer, an artist, and communicator. The method of communication is a visual language: architectural drafting. The Architectural Drawing course will explore the most common types of drawings that are used in communicating the design idea and constructing the final structure. This course is planned to develop an understanding of the skills needed to produce quality drawings that communicate the design clearly, for presentation and construction.			
<b>Course Content:</b>	Architectural drafting procedures, practices, and symbols. Preparation of detailed working drawings for residential structures. Emphasis on light frame construction methods.			
	<b>Name</b>	<b>Rank</b>	<b>Office Number and Location</b>	<b>E-mail Address</b>
<b>Instructor:</b>	Arch. Noor Al-Huda Abu Ghunmi	Lecturer	61-301	Nooralhuda.abugunmy@yahoo.com
<b>TA information</b>				

## Course Outlines:

Calendar	Topic
Week 1	Definition of architectural drawing and the way of using the architectural drawing tools.
Week 2	Letter presentation drawing
Week 2	Construction of lines, line value, line types and Use of scales
Week 3-5	Floor Plans drawings
Week 5	Day sketch
Week 6-7	Exterior Elevation drawings
Week 8	Day sketch
Week 9-10	Section and its details
Week 11-12	3 Dimensional Drawing (Isometric)
Week 13	Final Project Submission

## Course Learning Outcomes with reference to NAAB Student Outcomes:

Upon successful completion of this course, student should be able to:

1.	Utilize architectural terms, symbols, residential construction materials, and processes to produce a set of residential construction drawings.	A1,B4
2.	Draw complete floor plans	B4
3.	Draw foundation plans, and basic roof plans.	B4
4.	Draw and generate cross sections, elevations, and detail views.	B4

## Assessment Guidance:

Evaluation of the student performance during the semester (total final mark) will be conducted according to the following activities:

- Sub-Exams:** The students will be subjected to two scheduled Drawing exams, first exam and second exam during the semester. Each exam will cover materials given in lectures and Labs in the previous 3-4 weeks.
- Assignments:** Tutorials sheets will be handed out to the students and homework should be drawn individually and submitted before or on a set agreed date.
- Projects:** One project will be given to students at the end of the semester covering the whole materials taught in the course.

## Grading policy:

First Exam	5%
Second Exam	5%
Assignments, Homework and Quizzes	60%
Final Project	40%
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Total:	100%

## Attendance Regulation:

The semester has in total 32 credit hours. Total absence hours from classes and tutorials must not exceed 15% of the total credit hours. Exceeding this limit without a medical or emergency excuse approved by the deanship will prohibit the student from sitting the final exam and a zero mark will be recorded for the course. If the excuse is approved by the deanship the student will be considered withdrawn from the course.