



**Philadelphia University**  
Faculty of Engineering and Technology  
Department of Architecture  
First Semester 2022-2023

### Course Details:

|                            |  |
|----------------------------|--|
| <b>Title:</b>              | Working drawing (0660334)  |
| <b>Prerequisite:</b>       | Building construction (2) (0660224)  |
| <b>Credit Hours:</b>       | 4 credit hours (16 weeks per semester, approximately 128 contact hours)  |
| <b>Course Logistics</b>    | Term, class location and time, notation if online  |
| <b>Textbook:</b>           | <ul style="list-style-type: none"><li>No limitations for books and publications for the subject</li></ul>  |
| <b>References:</b>         | 1. Styles and Bichard, Keith and Andrew, (2004) " WORKING DRAWINGS HANDBOOK ", Architectural Press, Elsevier, Burlington, MA<br>2. علي، هشام، (2009)، "تصميمات تنفيذية 1"، جامعة أسيوط، قسم العمارة، مصر.                |
| <b>Course Description:</b> | This course emphasizes working drawing concept and its relevance to construction process, enabling students to prepare all drawings & details of an integrated building, taking into consideration local building codes. |
| <b>Website:</b>            | <a href="http://www.philadelphia.edu.jo/academics/aahmad/">http://www.philadelphia.edu.jo/academics/aahmad/</a>  |
| <b>Instructor:</b>         | Eng Asmaa Al Sayyed Ahmad<br><b>Email:</b> Aahmad@philadelphia.edu.jo<br><b>Office:</b> architecture building, room 407<br><b>Office hours:</b> Sun. Tue. 10:00-12:00 Mon. Wed. 9:00-10:00                               |
| <b>Coordinator</b>         | Eng. Asmaa Al Sayyed Ahmad   |
| <b>TA information</b>      | -  |

### Course Outlines:

| Week  | Topic                                  |
|-------|--|
| 1     | Introduction                           |
| 2-3   | AutoCAD & Structural systems revision  |
| 4     | Preparing plans + site plan (project1) |
| 5-6   | Preparing elevations(project1)         |
| 7-9   | Preparing sections(project1)           |
| 10-11 | Preparing schedule (project1)          |
| 12    | Preparing details(project1)            |
| 13    | Preparing civil quantities             |
| 14    | Preparing architectural quantities     |

## Course Learning Outcomes:

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

|    |   |     |
|----|---|-----|
| 1. | Codes and Regulations                     | B3  |
| 2. | Technical Documentation.                  | B4  |
| 3. | Building Envelope Systems and Assemblies: | B7  |
| 4. | Financial Considerations                  | B10 |

## Assessment Guidance:

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

**Submissions :** The students will be subjected to eight scheduled submissions, during the semester. Each one will cover one to two drawings item.

**Quizzes:** (3-5) quizzes of (10-15) minutes will be conducted during the semester. The materials of the quizzes are set by the lecturer.

**Drawings:** Drawing will be handed out to the students through the practical class and should be drawn individually and submitted before or on a set agreed date. Student may be assigned to present project(s).

Cheating by copying from others is strictly forbidden and punishable by awarding the work with zero mark.

**Projects:** At least one project will be given to students; the students are required to work in small groups to prepare a presentation about site visiting

**Final Exam:** The students will undergo a scheduled final exam which will be divided into two-part practical part and a theoretical part.

## Grading policy:

|                             |      |
|-----------------------------|------|
| First-third Submission      | 20%  |
| Forth to fifth Submission   | 20%  |
| Quizzes                     | 5%   |
| Projects                    | 5%   |
| Final submission (project2) | 30%  |
| <hr/>                       |      |
| Total:                      | 100% |

## Attendance Regulation:

The semester has in total 64 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.

October , 2023