

Course name: WORKING DRAWING DOCUMENTS (2)

Course code: DEG 323

Course hours: Credit hours 4, Contact hours 6

Course Pre-requisites: DEG 222

Course Description

The course deals with the training of the student on how to prepare the working drawings and the advanced details of the doors and windows in terms of types and implementation materials and draw details of them in different sizes.

Moreover, the study of different finishing materials for floors, walls, partitions and ceilings of various types of materials and the preparation of drawings and architectural details of their own, and roofs borrowed. In addition to studying the architectural details of the structural systems and the advanced coverings and the modern luxuries of all kinds.

Course Main Objective

In this course, the students will be to:

- Appropriate understanding and application of building material systems and their installation from the inside and building services e.g. plumbing, electricity, vertical connection, communications.
- Understanding to assess, select and integrate of conceptual structural systems, building protection systems, environmental regulations, safety systems and service systems in building.
- Appropriate understanding, application and performance of building materials and products, including its environmental impact and reuse.
- Ability to perform accurate working drawings and write outlines of proposed design specifications.
- The ability to produce an architectural project based on the construction program and the site, which includes programmed areas that demonstrate understanding of construction systems, life safety.

Course Learning Outcomes

After the completion of this course, the students will be able to;

- Understanding and realize the appropriate application of contemporary construction systems.
- Understanding to apply building materials systems and their installation.
- Understanding how to make accurate shop drawings and write outlines of the proposed design specifications.
- Training students to recognise how to analyse rather than to describe only.
- Enable the student to understand the criticism and analytical capacities.

Course evaluation

- Quizzes, practical assignments
- Weekly/biweekly reviews
- Midterm examination
- Attendance
- Final examination

Course recommended books

- Ernst Neufert, 2002, Architect's Data, 3rd Ed., Black well Science Ltd, U.K

Course References

- Francis Ching, 1991, Building Construction illustrated, John Wiley & Sons, Inc. N.Y.
- Working drawings -1&2, 2013, Technical and Vocational Training Corporation, Kingdom of Saudi Arabia.
- Construction 1&2 Handbook, 2004, Southbank Institute of TAFE, U.K