

**Course name:** GRADUATION PROJECT

**Course code:** DEG 409

**Course hours:** Credit hours 5, Contact hours 10

**Course Pre-requisites:** DEG 453

### Course Description

This course is a comprehensive final studio project based on the cumulative knowledge and skills developed throughout the previous architecture design studios, professional experience and coursework. The coursework is independent study based on an extensive programming document completed in the Graduation Project Research (DEG 453).

### Course Main Objective

- To Advance the acquired skills and experiences through a major project adequate in design depth and complexity.
- Present and implement the various project parameters that had been explored in the previous course “Graduation Project Research”, such as project program, site analysis, etc.
- Initiate a conceptual design based on functionality as well as spatial, structural, formal and other relevant or project-specific criteria.
- Prepare and present a complete project, highlighting different stages of design with emphasis on the final phases.

### Course Learning Outcomes

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

- Undertake an architectural project of advanced complexity.
- Demonstrate adequate knowledge of contemporary building industry and construction techniques to propose a workable of different building's systems (structural, HVAC, ... etc.)
- Develop broader socio-cultural issues of adaptability with the building designs.
- Apply skills and knowledge accumulated all throughout the academic years.
- Work independently with selected project approved through the Research and Programming Course.
- Present adequate construction details corresponding to the proposed design.

### Course evaluation

- Attendance and instructor's evaluation
- Weekly/biweekly reviews
- Class participation
- Mid-term Review
- Pre-final
- Final Jury

### Course recommended books

- W. M. Pena, S. A. Parshall. (2012). **Problem seeking: An architectural programming primer**. John Wiley & Sons. Inc.

### Course References

- Ernst Neufert, Peter Neufert (2012). **Neufert Architects' Data, Fourth Edition, 4th Edition**. Blackwell Publishing Ltd,
- Joseph De Chiara and Michael J. Crosbie, (2001). **Time-Saver Standards for Building Types: Ise 4Rev Ed Edition**. McGraw-Hill.
- Saudi Building Code National Committee. (2018). **The Saudi Building Codes SBC**