**Course Description Form**

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| 1. Course Name:
 |
| Architectural design/3 |
| 1. Course Code:
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| H A H 301 |
| 1. Semester / Year:
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| First and second semesters 2023/2024 |
| 1. Description Preparation Date:
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| 11/8/2024 |
| 1. Available Attendance Forms:
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| Attendance only |
| 1. Number of Credit Hours (Total) / Number of Units (Total)
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| 12 hours/week. Number of units: 12 units |
| 1. Course administrator's name (mention all, if more than one name)
 |
| Name: Asst. Prof. Dr. Fawzia Irhayyim HusseinEmail: fawziaasadi@coeng.uobaghdad.edu.iq |
| 1. Course Objectives
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| **Course Objectives** | The third academic year is the final stage of the information base in the field of architectural design, where the student learns about complex and multi-functional projects for their various operational and service spaces. Construction decisions and implementation technology are at the forefront of the design proposal, through choices for projects with short- and medium-term construction sea requirements that can be implemented through reinforced concrete or steel structures, through which the student learns about the most important construction details that must be known in this field and in practical keeping with the subject of building assembly (III) throughout the academic year. Then, in the second semester, the student moves to a multi-story project, to learn through it the principles of design for functional requirements of a typical, recurring nature, such as educational, administrative, residential and commercial buildings, and to review some of the construction details directed for this purpose, in addition to the possibility of applying what the student learned in the subject of health services, air conditioning and lighting services given to him in the first and second semesters. The study includes a set of quick tests to identify the student's ability to make the right design decisions within a short period of time. |
| 1. Teaching and Learning Strategies
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| **Strategy** | The learning strategy followed for the third stage in the architecture departments aims to develop students' skills comprehensively and gradually, in line with the complexity of the subjects being taught. Since they learn at this stage to design concrete buildings with long, medium, and short spans, in addition to large horizontal projects and multi-story projects, the educational strategies include the following:• Project-Based Learning:• Collaborative Learning:• Hands-On Workshops:• Presentations and Constructive Criticism:• Integration of Theory and Practice:• Continuous Assessment: |
| 1. Course Structure
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| **Week**  | **Hours**  | **Required Learning Outcomes**  | **Unit or subject name**  | **Learning method**  | **Evaluation method**  |
| 15 weeks of the first semester | 180 | The first project: choosing a multi-story project of an administrative, academic or residential nature, containing repeated floors through which the student learns about the set of construction details adopted in such construction structures (reinforced concrete or steel) with an integrated application of sanitary engineering systems, air conditioning, and interior lighting engineering. | Architectural design | attendees | From 100 attendees |
| 15 weeks of the second semester |  | The second project - a complex project containing small and medium-sized spaces such as classrooms and multi-purpose halls (academic or commercial complexes or medium-sized industrial projects or entertainment centers implemented through reinforced concrete structures or iron structures with the adoption of some construction details in the III building construction material in line with the current project. | Architectural design | attendees | From 100 attendees |
| 1. Course Evaluation
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| The grade is distributed out of 100 according to the tasks assigned to the student, such as daily submission, daily, oral, monthly, and written exams, reports, etc. The course includes two semesters, and the total effort grades are 70% divided into two projects for each semester, each semester 35% is divided into the total of the initial and final submissions for the semester, while the remaining 30% is divided into three or four external exams that are not related to the projects of the two semesters, and the grades obtained from 70% are added + the total grades for the external exams 30% to become the result of 100% |
| 1. Learning and Teaching Resources
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| Required textbooks (curricular books, if any) |  "Architectural Design: A Comprehensive Guide to the Principles of Architecture" by James Tait "Materials for Architects and Builders" by Arthur Lyons  |
| Main references (sources) | A collection of books in the architectural library of the department |
| Recommended books and references (scientific journals, reports...) | -Architectural Design with SketchUp" by Alexander C. Schreyer-Building Structures" by James Ambrose-Building Construction Illustrated" by Francis D.K. Ching-Journal of Architectural Engineering"-Journal of Constructional Steel Research" |
| Electronic References, Websites | 1. Academic Libraries and Journals:• Google Scholar: A search engine for academic research that includes articles and books on architectural design and building materials.• JSTOR: Contains academic articles and books covering various aspects of architecture and engineering.• ScienceDirect: A scientific library that contains research articles on building materials and building design.2. Drawing and Design Resources:• Houzz: Provides a large collection of architectural images and projects, especially in interior and exterior design.3. Architectural Forums and Communities:• Archinect: An architectural community that provides articles, forums, and announcements of competitions and projects.* The Building Centre: Provides information on construction materials and modern building technologies.
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