



**University/Academy:** Arab Academy for Science, Technology & Maritime Transport  
**Faculty/Institute:** College of Engineering & Technology  
**Program:** B.Sc. Architectural Engineering and Environmental Design

### Form no. (12): Course Specification

#### 1- Course Data

Course Code: <b>AR 416</b>	Course Title: <b>Interior design 1</b>	Academic Year/Level: <b>4<sup>th</sup> year / 8<sup>th</sup> semester</b>
Specialization: <b>Architecture</b>	No. of Instructional Units Credit <b>3</b> Lecture <b>2</b> Tutorial <b>2</b>	Prerequisite <b>AR312</b>

#### 2- Course Aim

This course is concerned with design principles as presented through graphic rendering techniques. Topics covered include: interior spaces, interior design, design vocabulary and interior **environmental systems**. Studio projects cover commercial and residential interiors. The course stresses the planning and construction of interior space and the coordination of furnishing and accessories. Problem solving studio involves the understanding and application of color, fabrics, lighting, interior materials, paints, floor coverings, wall coverings, ceilings and lighting.

**The course aims to:**

- Enhance the student's practical skills of shaping contemporary interior space in private and public buildings.
- Provide the student with the main knowledge of dealing with and integrating interior design elements including, furniture, lighting, flooring and contemporary finishing materials.

#### 3- Intended Learning Outcomes

<b>a- Knowledge and Understanding</b>	<b>Through knowledge and understanding, students will be able to:</b> <ul style="list-style-type: none"> <li>• Classify the fundamental elements which make up the interior environment.</li> <li>• Match the appropriate lighting systems within the interior spaces</li> <li>• Match the appropriate colors and materials to be used in the interior space to satisfy the functional requirements and design concept.</li> </ul>
<b>b- Intellectual Skills</b>	<b>Through intellectual skills, students will be able to:</b> <ul style="list-style-type: none"> <li>• Innovate through a systematic process of interior design</li> <li>• Plan the interior spaces, find alternatives and choose the most creative and comfortable solutions.</li> <li>• Design, investigate and develop the concept of three- dimensional objects along with the materials, colors and lighting techniques.</li> <li>• Suggest designs for interior spaces that integrate social, aesthetic and technical requirements.</li> </ul>
<b>c- Professional Skills</b>	<b>Through professional and practical skills, students will be able to:</b> <ul style="list-style-type: none"> <li>• Produce graphical presentation, through computer or freehand presentation.</li> <li>• Prepare and present arguments and illustrative materials in a variety of written, graphic and oral formats and with a high level of competence.</li> <li>• Prepare interior design drawings and presentation.</li> <li>• Use IT Skills (computer aided design) in interior design</li> </ul>
<b>d- General Skills</b>	<b>Through general and transferable skills, students will be able to:</b> <ul style="list-style-type: none"> <li>• Work in an interdisciplinary environment and elaborating with others.</li> <li>• Exercise initiative, original thought and independence, within a system of personal values.</li> </ul>

- Listen to and evaluate the opinions and values of others.
- Discuss and present designs of different parameters effectively
- Carry out self-learning sessions, as well as manage his time and meet deadlines on an individual level.
- Appreciate and acquire lifelong learning.

#### 4- Course Content

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|-------------------|---|
| <b>Week No.1</b>  | Project 1<br>Introduction to concept and principles of interior design, Project 1 definition and research.  |
| <b>Week No.2</b>  | Evolution of interior design, historical survey (ancient Egyptian, Greek & Roman)<br>Design development through furniture arrangements in the given plans according to the chosen design style.   |
| <b>Week No.3</b>  | Evolution of interior design, historical survey (Islamic, Renaissance, Classic, Neo classic, International style, Modernism, Late modernism, Post modernism )<br>Conceptual Design, Design Development, graphical presentation of the chosen space. |
| <b>Week No.4</b>  | Interior space , Project Design development   |
| <b>Week No.5</b>  | Interior space, Project Design development  |
| <b>Week No.6</b>  | Elements of interior design (form, space and circulation). Project Design development   |
| <b>Week No.7</b>  | Elements of interior design (classic furniture). Pre-final submission of the 1st project  |
| <b>Week No.8</b>  | Elements of interior design (modern furniture).Final Presentation and Submission: Students are asked to express their ideas through well presented drawings and illustrated 3D pictures.  |
| <b>Week No.9</b>  | Project 2<br>Light interior design. Introduction, Project II definition and research: Students are asked to collect the appropriate data and international new ideas and styles concerning the project type.  |
| <b>Week No.10</b> | Materials and colors (1). Design development: Students are asked to present a conceptual design in response to the project's collected data and according to the chosen theme of the project.   |
| <b>Week No.11</b> | Materials and colors (2). Design Development: Students are asked to express their ideas through furniture arrangements and 3D drawings in correspondence with the materials, colors and lighting plan that's to be used in the project.             |
| <b>Week No.12</b> | Design principles (1). Project Design Development   |
| <b>Week No.13</b> | Design principles (2) Project Design Development  |
| <b>Week No.14</b> | Mechanical equipments Pre-final submission of the 2nd project   |
| <b>Week No.15</b> | Aesthetic values in interior design<br>Final Presentation and Submission: Students are asked to submit their projects for evaluation.   |

#### 5- Teaching and Learning Methods

The course comprises a combination of lectures, student independent study, and tutorials that provide support and advice to the students on their project work.

Lectures impart practical knowledge and introduce parameters within which the projects should be developed.

Independent study: Students are encouraged to develop an ability to exercise initiative, original thought and independence as solutions are developed and designed for complex interior problems.

Tutorials: provision of continuous support to ensure the progress of individual students against the requirement to produce work to a specific timetable.



## 6-Teaching and Learning Methods for Students with Special Needs

- Consulting with lecturer during office hours.
- Consulting with teaching assistant during office hours.
- Private sessions for redelivering the lecture contents.
- For handicapped accessibility, please refer to program specification.

## 7- Student Assessment

Students must present: Two projects per semester - students must present at least 3 sketches for each project under the supervision of the tutors - a two-day project per semester and a three-hour exam.

Students prepare their portfolios at the final jury which will demonstrate the learning outcomes throughout the academic semester and a selection of previous phases of the projects in an appropriate form of documentation and presentation. Methods of documentation may include: drawings; photographs; multi-media material; quantitative & qualitative data; 3D models or prototypes; web-based material. All work should be recorded digitally and presented to a standard suitable for assessment purposes.

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Assignment	Knowledge and understanding.	1	6	10%
2	Portfolio exam.	Knowledge and practical skills.		7	5%
3	Project	All skills.		8	15%
4	Assignment	Knowledge and understanding.	9	12	15%
5	Project	All skills.		15	20%
6	Portfolio exam.	All skills.		15	5%
7	Drawing exam.	Knowledge and intellectual skills.		16	30%
<b>Total</b>					100%

## 8- List of References:

<b>a- Course Notes</b>	Notes are handed out on a weekly basis.
<b>b- Required Books (Textbooks)</b>	• D.K CHING, Francis, <i>Interior Design Illustrated</i> , John Wiley & Sons, N.Y., 1987.
<b>c- Recommended Books</b>	<ul style="list-style-type: none"> <li>• BARR, Vilma Francis, <i>Interior Design Illustrated</i>, John Wiley &amp; Sons, N.Y., 1987.</li> <li>• BURDEN Ernest, <i>Entourage: A Tracing File for Architecture and Interior Design Drawing</i>, N.Y., Mcgraw Hill, 3rd Ed, 1996.</li> <li>• DONG Wei, <i>Color Rendering: A Guide for Interior Designers and Architects Concept, Exploration and Process</i>, Mcgraw Hill, N.Y., 1997.</li> <li>• MASSEY Anne, <i>Interior Design of the 20th Century</i>, Thames &amp; Hudson, London, 1990.</li> <li>• MILLER Mary, <i>Color for Interior Architecture</i>, Wiley, N.Y., 1997.</li> <li>• PILE John F, <i>Interior Design. 2nd Ed.</i>, Harry N. Abrams Inc. Pub., N.Y., 1995.</li> <li>• TAYLOR Lesley, <i>Interior Design Illustrated</i>, London, North Holand, 1998.</li> <li>• VERNON Mays, <i>Offices + Workspaces</i>, Rockport Publisher, Canada, 1998.</li> </ul>
<b>d- Periodicals, Web Sites, etc.</b>	N/A