



**Course Specifications:**  
**ARE7125 - Visual Training**



### 1. Basic Information

<b>Program Title</b>	Architectural Engineering
<b>Department offering the Program</b>	Architectural Engineering
<b>Department Responsible for the Course</b>	Architectural Engineering
<b>Course Title</b>	Visual Training
<b>Course Code</b>	ARE7125
<b>Year/ Level</b>	First Year - Second Semester
<b>Specialization</b>	Minor
<b>Authorization date of course specification</b>	2005

<b>Teaching Hours</b>	Lectures	Tutorial	Practical
	2	3	-

### 2. Course Attributes:

No.	Attribute
07	Communicate effectively.
11	Engage in self- and life- long learning.
12	Design robust architectural projects with creativity and technical mastery.
13	Demonstrate investigative skills, attention to details, and visualize/conceptualize skills.

### 3. Intended Learning Outcomes (ILOs):

#### a. Knowledge and Understanding:

No.	Knowledge and Understanding
A <sub>13</sub>	Principles of architectural design, and the preparation and presentations of design projects in a variety of contexts, scales, types and degree of complexity.
A <sub>20</sub>	Physical modeling, multi-dimensional visualization, multimedia applications, and computer-aided design.

#### b. Intellectual Skills

No.	Intellectual Skills
B <sub>08</sub>	Select and appraise appropriate ICT tools to a variety of engineering problems.
B <sub>14</sub>	Think three-dimensionally and engage images of places & times with innovation and creativity in the exploration of design.

#### c. Professional Skills

No.	Professional Skills
C <sub>05</sub>	Use computational facilities and techniques, measuring instruments,



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	workshops and laboratory equipment to design experiments, collect, analyze, and interpret results.
C <sub>14</sub>	Produce professional workshop and technical drawings using traditional drawing and computer-aided drawings' techniques.
C <sub>18</sub>	Display imagination and creativity.

**d. General Skills**

No.	General Skills
D <sub>02</sub>	Work in stressful environment and within constraints.
D <sub>03</sub>	Communicate effectively.
D <sub>06</sub>	Manage tasks and resources efficiently.
D <sub>07</sub>	Search for information and adopt life-long self learning.

**4. Course Contents:**

No.	Topics
1	اسس التشكيل المعماري
2	تطبيق عناصر التشكيل على مشروعات التصميم
3	اسس التشكيل المعماري
4	نظريات الالوان
5	المدارس الفنية الحديثة
6	الفن التشكيلي وعلاقته بالمدارس المعمارية
7	الخداع البصري في العمارة القديمة والحديثة

**5. Teaching and Learning Methods:**

**5.1 Normal Students:**

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	×
4	Practical	×
5	Research Assignment	√
6	Field Visits	√
7	Case Studies	√
8	Smart Sessions	×

**5.2 Disable Students:**

No.	Teaching Method	Reason
1	الموهبة والقدرة على الابتكار	- تنمية المهارات الفنية لدى الطالب تنمية المهارة فقط

**5.3 Excellent Students:**



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No.	Teaching Method	Reason
1	رسومات من الطبيعة والمباني بالطبيعة والمناظر الخارجية	تنمية الموهبة الموجودة بالفعل
2	أعمال فنية تشكيلية بلوحات الالوان الزيتية والمائية	كما سبق

## 6. Student Assessment:

### 6.1 Student Assessment Methods:

No.	Assessment Method	Choice	ILOs
1	Mid Term Examination	√	A <sub>13</sub> , B <sub>08</sub> , C <sub>05</sub> , C <sub>14</sub> , D <sub>02</sub>
2	Oral Examination	×	-
3	Practical Examination	×	-
4	Semester work	√	A <sub>13</sub> , A <sub>20</sub> , B <sub>08</sub> , B <sub>14</sub> , D <sub>03</sub>
5	Other types of assessment	×	-
6	Final Term Examination	√	A <sub>20</sub> , C <sub>14</sub> , C <sub>18</sub> , D <sub>03</sub> , D <sub>06</sub> , D <sub>07</sub>

### 6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	08 <sup>th</sup>
2	Oral Examination	×
3	Practical Examination	×
4	Semester work	Weekly
5	Other types of assessment	×
6	Final Term Examination	15 <sup>th</sup>

### 6.3 Weighting of Assessments:

No.	Assessment Method	Weights
1	Mid Term Examination	10
2	Oral Examination	-
3	Practical Examination	-
4	Semester work	26
5	Other types of assessment	-
6	Final Term Examination	64%
Total		100%

## 7. List of References

No.	Reference List
1	الاطهار المعماري لمحمد عبد الله دار المعارف الاسكندرية
2	الاطهار المعماري وعلم المنظور لمحمد حماد مكتبة الانجلو
3	Architecture space , form and organization
4	Lecture Notes

## 8. Facilities Required for Teaching and Learning:



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No.	Facility	Choice	No.	Facility	Choice
1	Lecture Classroom	√	7	Wireless Board	√
2	Lab Facilities	×	8	Presenter	√
3	White Board	×	9	Sound System	√
4	Data Show System	√	10	Wire-Internet	√
5	Visualizer	×	11	Wireless Internet	√
6	Smart Board	×	12	...	-

**9. Matrix of Knowledge and Skills of the Course:**

No.	Topic	Attributes	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	اسس التشكيل المعماري	07	A <sub>13</sub>	-	-	D <sub>02</sub>
2	تطبيق عناصر التشكيل على مشروعات التصميم	11	A <sub>13</sub> , A <sub>20</sub>	B <sub>08</sub>	-	D <sub>03</sub> , D <sub>06</sub>
3	اسس التشكيل المعماري	11	A <sub>20</sub>	B <sub>08</sub>	C <sub>05</sub>	D <sub>03</sub> , D <sub>06</sub>
4	نظريات الالوان	11	A <sub>20</sub>	B <sub>14</sub>	C <sub>14</sub> , C <sub>18</sub>	D <sub>03</sub> , D <sub>06</sub>
5	المدارس الفنية الحديثة	11	A <sub>20</sub>	B <sub>14</sub>	C <sub>18</sub>	D <sub>03</sub> , D <sub>06</sub>
6	الفن التشكيلي وعلاقته بالمدارس المعمارية	11, 12	A <sub>13</sub> , A <sub>20</sub>	B <sub>14</sub>	C <sub>18</sub>	D <sub>03</sub> , D <sub>07</sub>
7	الخداع البصري في العمارة القديمة والحديثة	13	A <sub>13</sub> , A <sub>20</sub>	B <sub>14</sub>	C <sub>14</sub> , C <sub>18</sub>	D <sub>06</sub> , D <sub>07</sub>

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**Head of Department: Professor Dr. Mohammad Mohammad Taha Al-Azab**

**Date of Approval:**