



AE 1301-COMPUTER APPLICATION 2- LECTURE 1

COURSE OUTLINE AND INTRODUCTION

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SPRING 2024

Content

Course Introduction

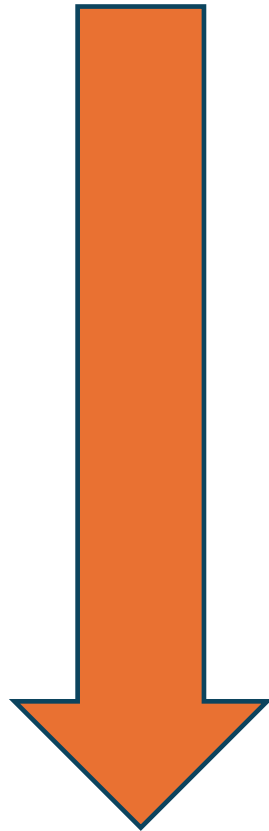
- Staff.
- About the course.
- Course objectives.
- Course Learning Outcomes
- Time Schedule.
- Assessment Methods

Architecture

- What is Architecture
- Elements of Design

COURSE INTRODUCTION

This is the
second course of
**Computer
Application**
courses series



Computer Application 1

Computer Application 2

Elective Courses

AE 1301 COMPUTER APPLICATION 2

STAFF



Lecturers

- **DR. NOHA HEFNAWY**

Teaching Assistants

- **Eng. Esraa Aidy**
- **Eng. Mariam Sameh**

AEI381 COMPUTER APPLICATIONS 2

About the Course

On completing the course, you will be able to **produce basic 3D modeling, apply material, and rendering the scene.** Topics include:

- The 3DS Max Interface.
- Modeling in 3DS Max
- Introduction to the Materials
- Introduction to Lighting
- 3DS Max Rendering

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Course Objectives

- ❑ **CO1:** Implement Ideas and Architecture designs using computer applications.
- ❑ **CO2:** Enhance the presentation of design projects to visualize better design tools for the future.

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Course Learning Outcomes

- ❑ **CLO1:** Integrate different forms and ideas to develop design solutions.
- ❑ **CLO2:** Produce multi-dimensional drawings using appropriate computer applications.
- ❑ **CLO3:** Communicate graphically with the colleagues in the lab.
- ❑ **CLO4:** Employ the different Fundamentals of architecture.
- ❑ **CLO5:** Express three-dimensionally and engage images of places and time with innovation and creativity in the exploration of design.
- ❑ **CLO6:** Present architectural projects using computer applications

Course Schedule

Week No.	Date	Topic	Assessment
1	30-9-2024	Introduction & User interface	
2	7-10-2024	Object creation and viewports	Ass. 1
3	14-10-2024	Extended Primitives	Ass. 2
4	21-10-2024	Shapes & Edit spline	Ass. 3
5	28-10-2024	Edit Poly	Ass. 4
6	4-11-2024	Modifier List	Ass. 5
7	11-11-2024	Modifier List	Ass. 6
8	18-11-2024	Mid-Term Exam	Exam
9	25-11-2024	Material	Ass. 7
10	2-12-2024	Project announcement	Project
11	9-12-2024	Lighting	Ass. 8
12	16-12-2024	Rendering	Ass. 9
13	23-12-2024	Project Submission	Project/ Diss.
14		Practical Final Exam	

ARC 131 THEORY OF ARCHITECTURE I

Assessment Methods

Assessment Method	Week	Weighting of Asses.
Mid-term Exam	Week # 8	10%
Discussions	Week #13	5%
Projects	Week # 10 & 13	10%
Assignments	Week # 2,3,4,5,6,7,9,11 & 12	15%
Practical Exam	Scheduled by the faculty council	60%
Total		100%



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Thank You