

ARC 131-THEORY OF ARCHITECTURE I- LECTURE I COURSE OUTLINE AND INTRODUCTION TO THE RELATION BETWEEN ARCHITECTURE AND HUMAN LIFE/NEEDS

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Content

Course Introduction

- About the course.
- Course Learning Outcomes
- Staff.
- Time Schedule.
- Assessment Methods
- List of References

Architecture

- What is Architecture
- Elements of Design

The relationbetweenarchitectureandhumanlife/needs

- The relation between architecture and human life/needs
- Maslow's Hierarchy of Needs

COURSE INTRODUCTION

This is the first course of Theory of Architecture courses series Theory of Architecture I

Theory of Architecture 2

Theory of Architecture 3

ARC 131 THEORY OF ARCHITECTURE I About the Course

The course aims at introducing students to:

- The relationship between architecture and human life/needs.
- Design objectives
- Anthropometric standards
- Services and circulation spaces, spatial relationships and zoning.
- Theories/principles of building types such as: residential buildings, nurseries, cafeterias/restaurants, schools

ARC 131 THEORY OF ARCHITECTURE 1 Course Learning Outcomes

- CLOI: Use research techniques and methods to understand theories/principles of designing public buildings.
- CLO2: Identify elements of architecture and the relation between architecture and human life/needs.
- CLO3: Illustrate design objectives (firmness, commodity, and delight), and anthropometric standards.
- **CLO4:** Employ the different Fundamentals of architecture.
- **CLO5:** Recognize services and circulation spaces, spatial relationships, and zoning.
- CLO6: Formulate several innovative conceptual approaches, functional relationships, and visual and environmental criteria of the studied building types.

ARC 131 THEORY OF ARCHITECTURE 1 STAFF



Lecturers

DR. NOHA HEFNAWY

Teaching Assistants

- Eng. Sara Ahmed
- Eng. Mariam Ayman

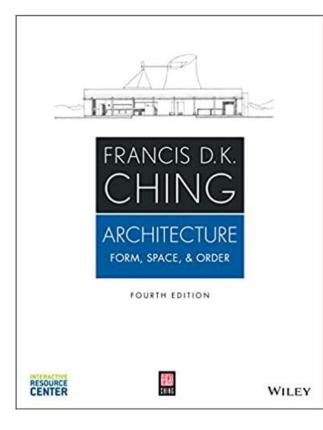
Course Schedule

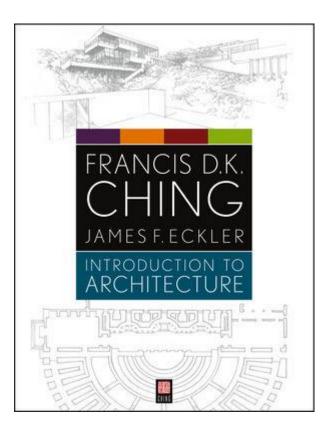
Week No.	Date	Торіс	Assessment
1	30-9-2024	Course Outline and Introduction to The relation between architecture and human life/needs	Report 1
2	7-10-2024	Design objectives, and Anthropometric standards	Report 2
3	14-10-2024	Fundamentals of Architecture: Form	Quiz 1
4	21-10-2024	Fundamentals of Architecture: Space	Report 3
5	28-10-2024	Fundamentals of Architecture: Order	Model 1/ Quiz 2
6	4-11-2024	Services and circulation spaces	Model 2/ Report 4
7	11-11-2024	Spatial relationships, zoning, and Design concept	Model 3/ Quiz 3
8	18-11-2024	Mid-Term Exam	Exam
9	25-11-2024	Residential Buildings	Res. 1/ Report 5
10	2-12-2024	Educational Buildings	Res. 2/ Quiz 4
11	9-12-2024	Cafeterias/Restaurants	Res. 3/ Quiz 5
12	16-12-2024	Research Presentation	Res. Presentation
13	23-12-2024	Research Presentation	Res. Presentation
14	30-12-2024		
15	6-1-2024		

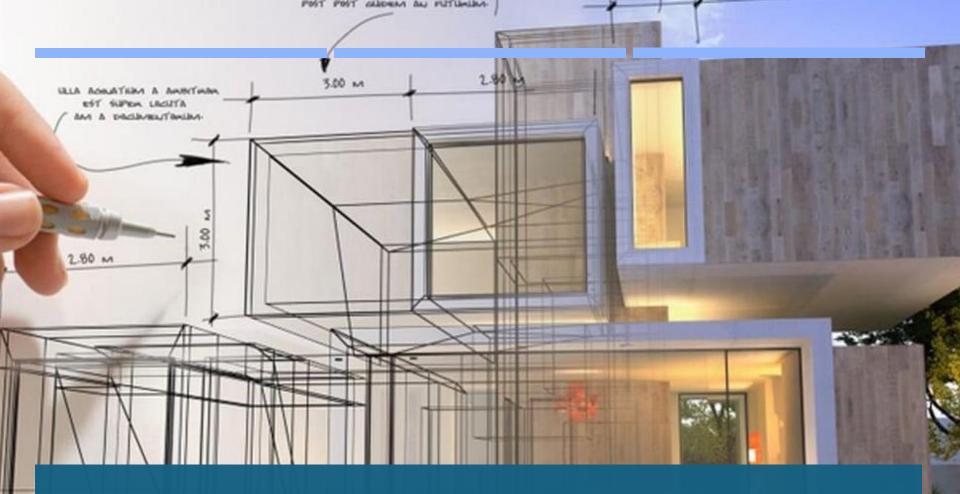
ARC 131 THEORY OF ARCHITECTURE I Assessment Methods

Assessment Method	Week	Weighting of Asses.
Mid-term Exam	Week # 8	30%
Quizzes	Week # 3, 5, 7, 10 & 11	5%
Reports	Week # 1, 2, 4, 6, 9	5%
Research	Week # 9, 10 & 11	10 %
Presentations	Week # 12, & 13	5%
Modeling	Week # 5, 6, & 7	5%
Final Exam	Scheduled by the faculty council	40%
T	100%	

ARC 131 THEORY OF ARCHITECTURE I References







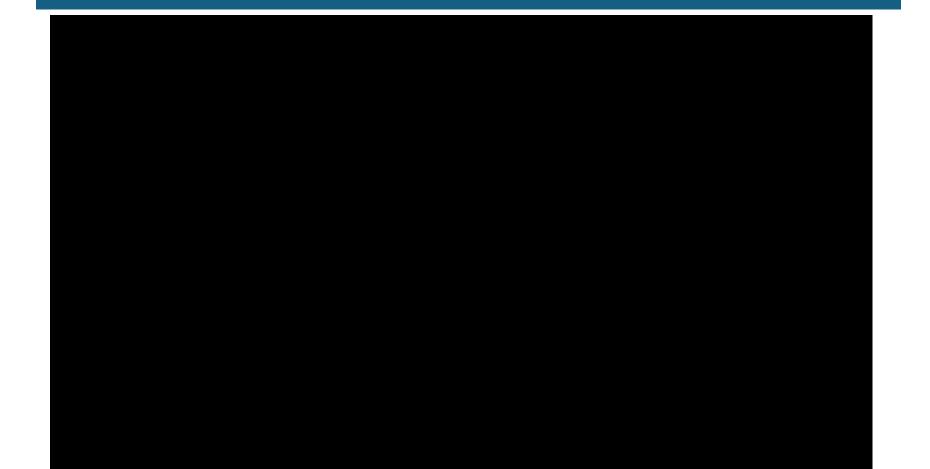
ARCHITECTURE



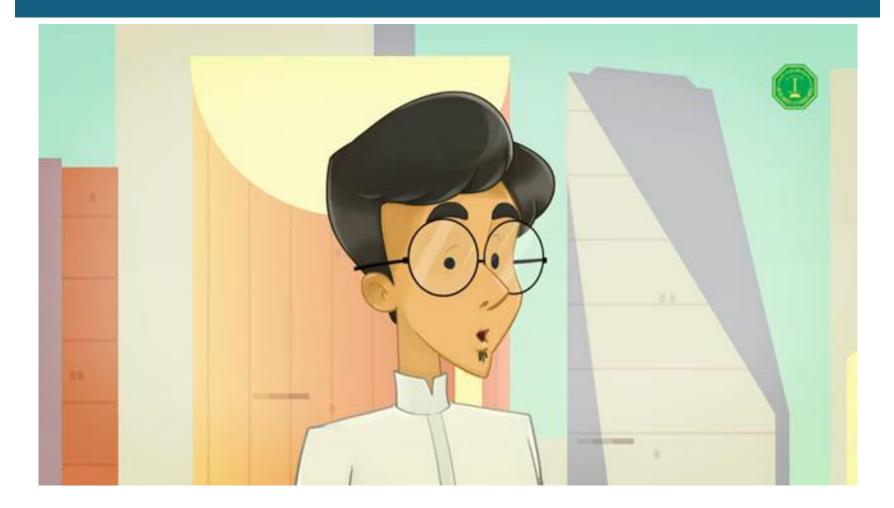
WHAT IS ARCHITECTURE



WHAT IS ARCHITECTURE



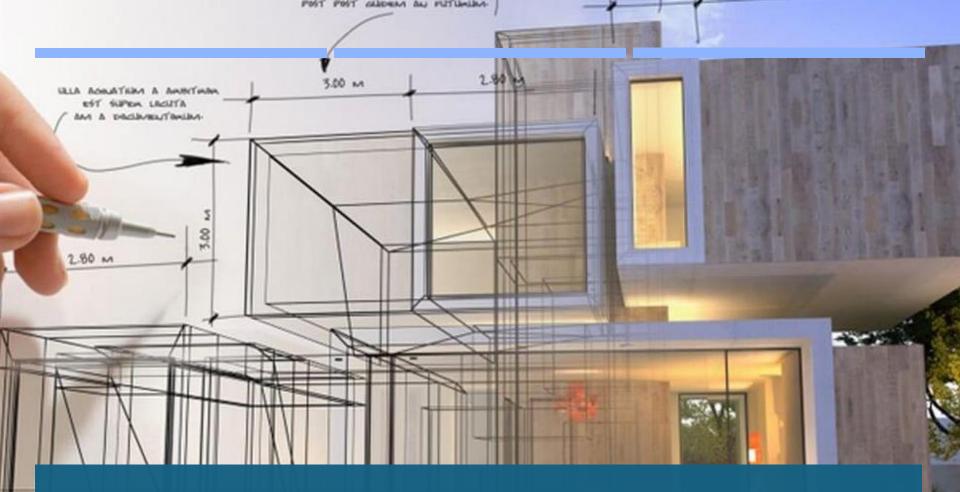
ARCHITECTURE

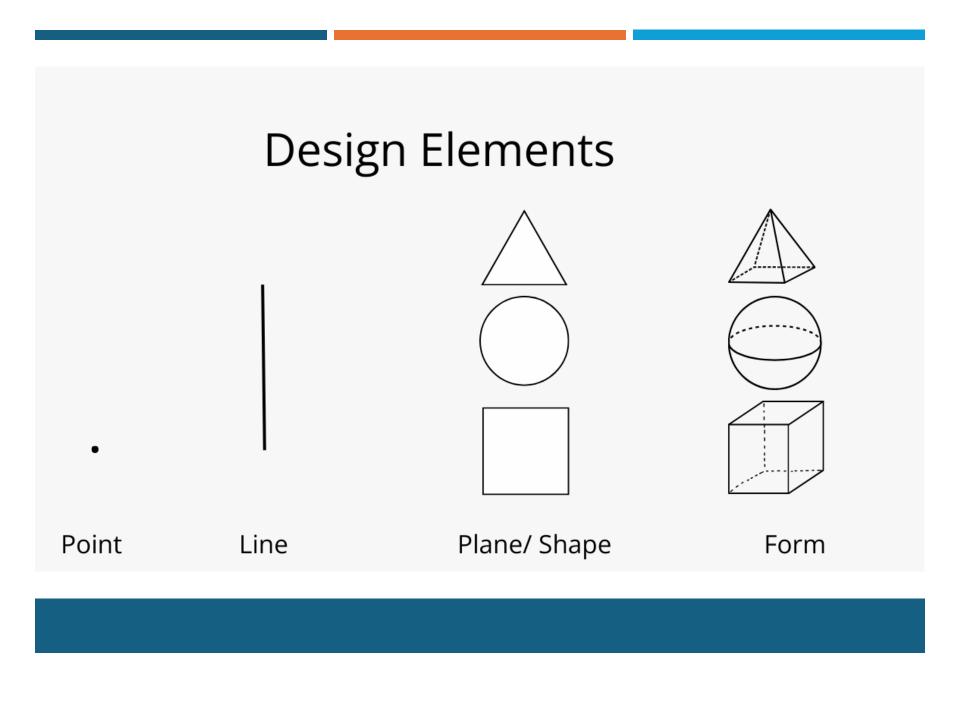


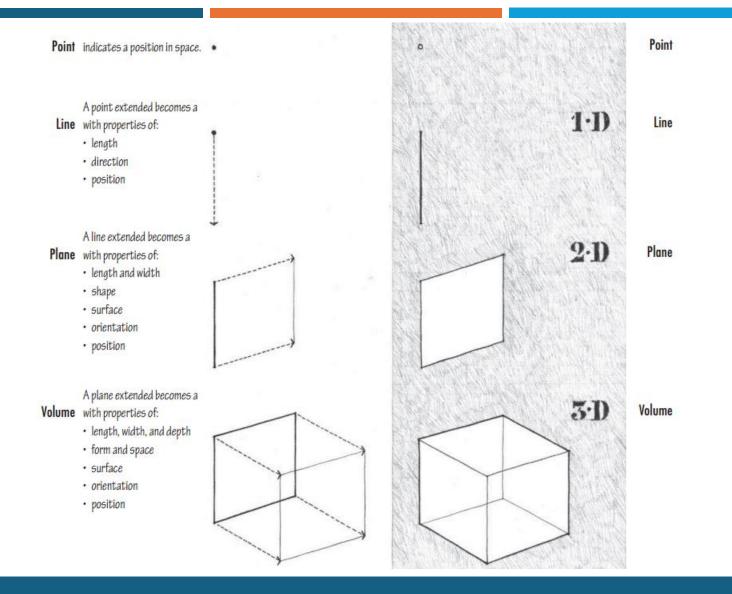
DEFINITION OF ARCHITECTURE

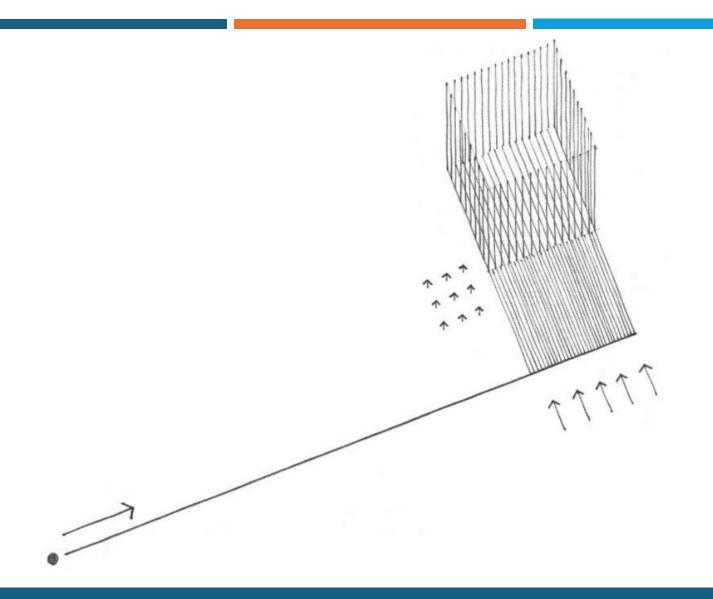
Architecture should be considered both an Art and a Science.

It is an artistic discipline that seeks to invent through design. It is also a technical profession that relies on specific Building construction techniques.



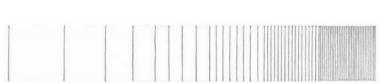






LINES







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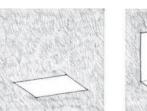
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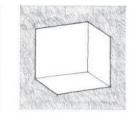


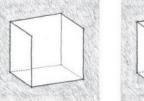


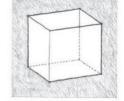


PLANE/ SHAPE









VOLUME/3D



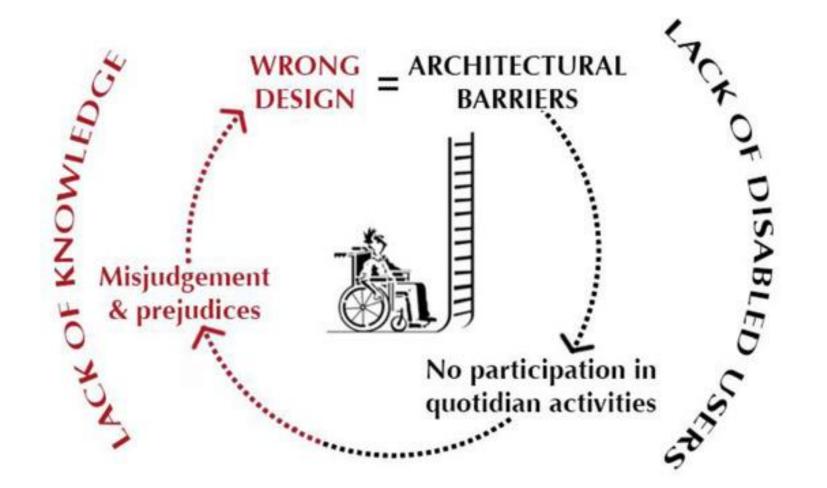


THE RELATION BETWEEN ARCHITECTURE AND HUMAN LIFE/NEEDS



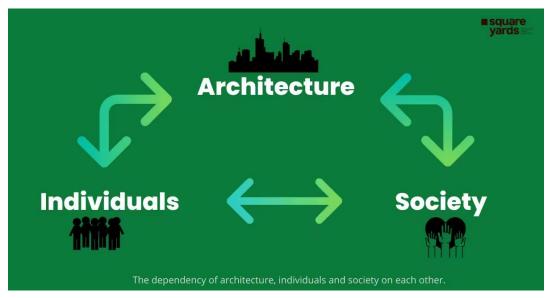
THINK AND SHARE

WHAT IS YOUR OPINION



THE RELATION BETWEEN ARCHITECTURE AND HUMAN LIFE/NEEDS

Architecture started with a need for a purpose for human beings to survive. The buildings, roads, bridges, and cities are for its people only. As much as humans need architecture, architecture also needs humans.

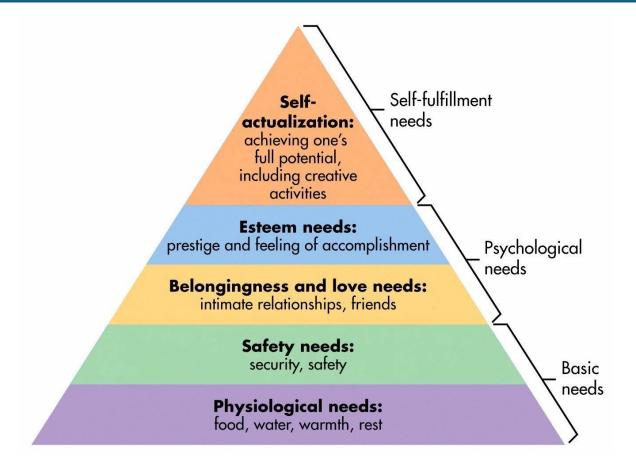


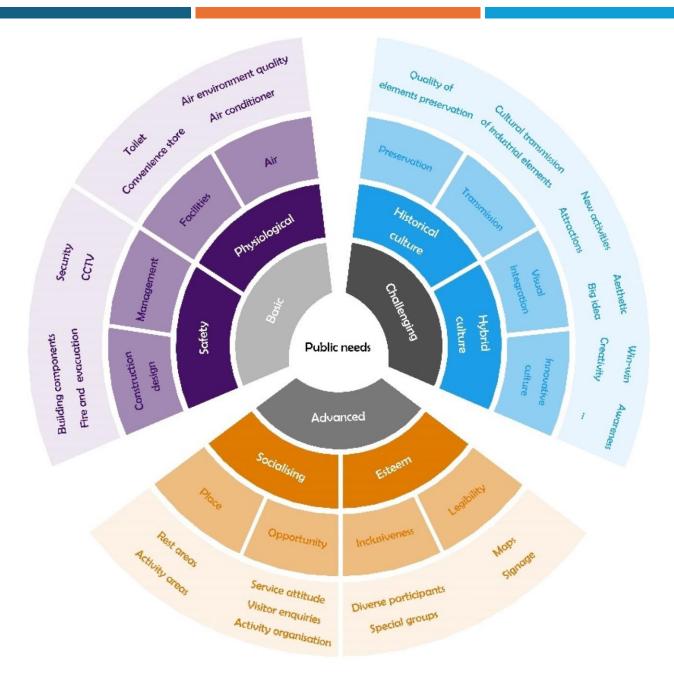
MASLOW'S HIERARCHY OF NEEDS



الهواء، الماء، الطعام، المأوى، 🗧 النوم، الملبس، التكاثر

MASLOW'S HIERARCHY OF NEEDS

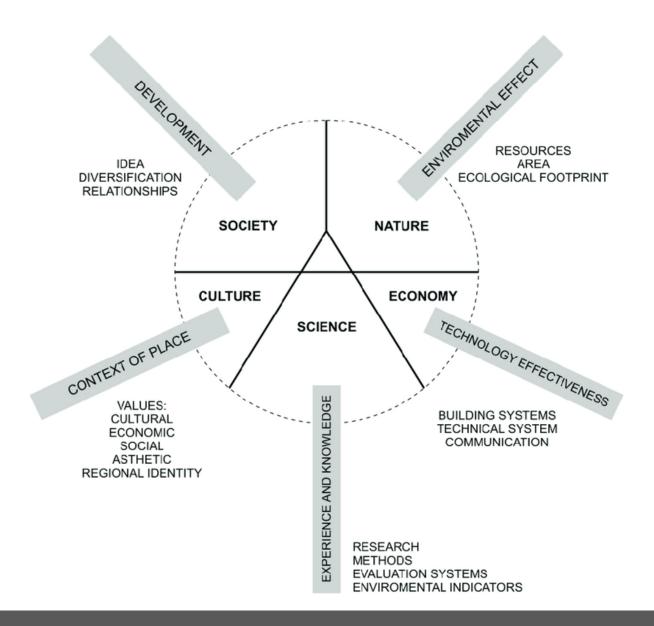




THE RELATION BETWEEN ARCHITECTURE AND HUMAN LIFE/NEEDS

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ThankYou