



HODA ORABY  
LECTURER

## PERSONAL INFORMATION

### Name

Hoda Abd Elmonam Oraby

### Birthdate

23/01/1989

### Gender

Femaler

### Hadayek Elahram - Haram - Giza

Place of residence

### Nationality

Egyption

## CONTACT



Giza



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## SKILLS

### Language

Arabic

English



## SUMMARY

"I am a lecturer with over 14 years of experience in academic teaching of architectural engineering subjects and motivating students to achieve the highest results. I have exceptional experience in teamwork and possess the ability to collaborate and adapt in the work environment. I have a very social personality and enjoy forming new friendships. I also have the ability to work under pressure, being active, continuous, creative, open-minded, and evolved. I have skills in planning, organization, administrative work, and comprehensive communication with academic colleagues to enhance academic relationships while maintaining trust."

## EXPERIENCE

### 2024 - Present

#### Thebes Academy for technology and Engineering

Lecturer, Giza

I work in the field of academic quality assurance and community and environmental service. I excel in planning, executing, and organizing administrative tasks. I guide students effectively towards designing and executing architectural projects. I have extensive experience in ensuring the success of academic educational processes.

### 2018 - 2024

#### Thebes Academy for technology and Engineering

Assistant Lecturer, Giza

I worked as an assistant professor for 5 years in the Department of Architectural Engineering at thebes Academy for Engineering, I taught digital representation courses, including AutoCAD 2D, AutoCAD 3D, and 3ds Max, and instructed students in group settings to produce top-quality projects using computer-aided design to meet the demands of the current digital transformation era. Additionally, I taught architectural design, construction drawings, and architectural visualization courses. I also contributed to academic quality assurance activities and participated in community service initiatives aimed at serving the environment and society.

### 2010 - 2010

#### Thebes Academy for technology and Engineering

Teaching Assistant, Giza

I have been working as an assistant professor, specializing in teaching architectural engineering subjects. My expertise includes architectural design, executive drawings, and involvement in student services and community activities. Additionally, I have been teaching graduation projects for fourth-year students for more than 4 consecutive years.

# COURSES

- 1-TOEFL license with score 600 degrees
- 2-Architectural building
- 3-Wide span structure system in architectural engineering
- 4-Digital representation Subjects
- 5-Parametric Architectural design
- 6-Engineering complexes center New Cairo My graduation project New Engineering Complex center consists of healthy club, candidate and Hotel
- 7-Competition project to renew the unions of Engineers club in the great sea design and implementations of the club outdoor yards, outdoor shops and green spaces

Teaching experiences:

- 1-Architectural design from 1 to 6-
- 2-Architectural Construction 1,2
- 3-Civil Construction
- 4-Executive Designs (1,2,3)
- 5-Site Coordination
- 6-Shadows and Perspectives
- 7-Theoretical Drawing and Color Theory
- 8-Graduation Project
- 9-Large Span Buildings
- 10-Digital Presentation Materials
- 11-Computer Applications in
- 12-Architectural Engineering
- 13-Architectural Housing
- 14-Landscaping for sites
- 15-Building Legislation
- 16-Construction Economics
- 17-AI for architectural Engineering.

# EDUCATION

● 2018 - 2024

"Ph.D. Degree  
Ain Shams University, Cairo  
Optimizing Daylighting Performance for Educational Buildings Using Parametric Material Systems"

● 2013 - 2018

**Master's Degree: Biomimetic Approach**  
Ain Shams University, Cairo  
Adaptable Building Skin System Design

● 2005 - 2010

**Bachelor of Engineering, Department of Architecture**  
Thebes Academy for technology and Engineering, Giza  
Architectural Engineering

# EXPERTISE

- ✓ **Scientific writing License**  
Ain shams university - Feb 2020
- ✓ **International publication License R**  
Ain shams university - Mar 2020
- ✓ **Ladybug V4.1 with Honey bee**  
Udemy - Dec 2023
- ✓ **Rhino 6 Grasshopper**  
Udemy - Oct 2023
- ✓ **Time management**  
Thebes Academy for Engineering and Technology - Apr 2018
- ✓ **3D Studio Max**  
Cairo University - Oct 2011
- ✓ **AutoCAD 2D-3D**  
Cairo University - Jun 2012

# PUBLICATIONS

- 1) Bio-mimetic approach for office buildings skin adaptable design- Engineering Research Journal (Shoubra)-2017-Document Type Research articles
- 2) Optimizing daylighting performance for educational buildings by using parametric material system. Engineering Research Journal (Shoubra)-EKB Volume 52, Issue 4, October 2023, Page 169-178 Document Type: Research articles DOI: 10.21608/erjsh.2023.219077.1185
- 3) Optimizing daylighting performance for educational buildings by using parametric material system in Egypt -IEREK's International Conference(Climate Change and Environmental Sustainability) (CCES) -3rd Edition (17-18 September 2023)-algorithm 1.
- 4) Optimizing daylighting performance for educational buildings by using parametric material system -algorithm 2 June 2023-DOI:10.21203/rs.3.rs-3079465/v1-LicenseCC BY 4.0