

RESUME

Nermen Mohamed Said Ahmed Matter



Birth date and place:	18 - 12 -1984, Maadi, Cairo
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Dr. Nermen M. Matter is a full professor of Architectural at Modern Academy for Engineering and Technology. Using TEACHING PHILOSOPHY Believes that every classroom has its own unique potential; my mission is to impart not only knowledge through different learning style, but also the values and reasoning skills that will prepare students to apply the knowledge to unforeseen situations in the future cooperative learning, projects, themes, and individual work that engages and activate students learning."

Qualifications summary

PHD Philosophy in Architecture Engineering	Specialization: Environmental Design.
	Thesis Title: Towards a Comprehensive Framework for Conserving Energy and Converting to Renewable Energies in Architecture and Urbanism in Egypt
	Awarded by: Faculty of engineering, Helwan University, Egypt, 2017
MSc Master in Architecture Engineering	Specialization: Environmental Design
	Thesis Title: The Criteria of applying the concepts and Standards of Sustainable Development to improve Buildings Efficiency of Arab Architecture
	Awarded by: Faculty of engineering, Helwan University, Egypt, 2013
BSc Bachelor of Architctural Engineering	Specialization: Architectural Engineering,
	Awarded by: Faculty of Engineering/ Helwan University, 2006

Experience summary

From 2019	Lecturer, Department of Architecture, Modern Academy for Engineering and Technology in Maadi, Cairo, Egypt.
2017:2019	Lecturer, Department of Architecture, Higher Institute of Engineering and Technology at 5th settlement/ New Cairo
2013: 2017	Assistant Lecturer, Department of Architecture, Higher Institute of Engineering and Technology at 5th settlement/ New Cairo
2007:2013	Teaching Assistant, Department of Architecture, Higher Institute of Engineering and Technology at 5th settlement/ New Cairo

Teaching Courses

1st year of Arch	Design1 /Building1 / Building2 / Environmental design and control
2nd year of Arch	Design2 / Design3

3rd year of Arch	Design4/ Design5/ Quantities and specifications / Environmental Design
4th year of Arch	Design6/Design 7/Environmental Impact of Projects /Report of Graduation Project /Graduation project / Modern Building System & Materials
YouTube Material channel	<p>Architctural Design 1 - https://youtu.be/Zy3Ka5pTmcE?list=PLrQsv5YoPWYhrFfQOIJwpWt41XmuWYcS -https://youtu.be/d_6hqi9y3tg?list=PLrQsv5YoPWYhrFfQOIJwpWt41XmuWYcS</p> <p>Architctural Design 3 -https://youtu.be/wmUKHGGB45o?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2 -https://youtu.be/6mCVC1IserQ?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/ABeJm7VhLg0?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/BNxsZxwAr6g?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/-p1fDD-oQAA?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/PmZP6SznXZO?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H</p> <p>Architctural Design 4 -https://youtu.be/7umxL8SoIYM?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/-Lv6kzcB25s?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/ARADlySjS8c?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H -https://youtu.be/nLMjtTNKXps?list=PLrQsv5YoPWYice204Bcx-Vr3Sn2Gpmz2H</p>

Research interests

- Environmental Design
- Sustainable Sanitation
- Planning, Urban Design
- Resilience Architecture
- Architectural Design

Publications

2016	M. Matter.N. (2016). " تفعيل إستراتيجيات الحفاظ على الطاقة والتكامل مع الطاقات المتجددة في العمارة مدخل حل أزمة الطاقة ". <i>Engineering Research Journal</i> , 152.
2016	M. Matter.N. (2016). " الحفاظ على الطاقة والتحول للطاقات المتجددة في العمارة والعمران بين الفكر والسياسة والممارسة دراسة حالة تجربة ألمانيا في الحفاظ على " <i>Engineering Research Journal</i> , 152.
2018	M. Matter.N. (2018). ' Smart Cities as an Approach to solve the problem of transportation and sustain energy in Egypt' . <i>Engineering Research Journal</i> , 159.
2019	Mohammed Sayed, N. (2019). 'PROCESSES OF ACHIEVING URBAN RESILINCE ACCORDING TO MANUSCRIPTS OF THE UNITED NATIONS', <i>JES. Journal of Engineering Sciences</i> , 47(No 5), pp. 644-666. DOI: 10.21608/jesaun.2019.115730
2020	Ahmed, N. (2020). 'CITASLOW AS AN APPROACH TO SUPPORT LOCAL URBAN SUSTAINABLE DEVELOPMENT', <i>JES. Journal of Engineering Sciences</i> , 48(No 3), pp. 491-509. DOI: 10.21608/JESAUN.2020.108954
2021	matar, N. M. S. A. (2023). 'Towards a framework for the transformation to smart and resilient cities on the road to recovery from (Covid-19)', <i>مجلة العمارة و الفنون و العلوم الإنسانية</i> , 8(40),pp. 39-67. DOI: 10.21608/mjaf.2021.91607.2460
2022	matar, N. M. S. A. (2022). 'Constructed wetlands (CWs) are effective decentralized solutions for sustainable wastewater management in rural and semi-Urban communities in Egypt', <i>مجلة العمارة و الفنون و العلوم الإنسانية</i> , 9(24), pp. -.DOI: 10.21608/MJAF.2022.166914.2870
2023	Matter, N. (2023). 'Utilization of Lost Urban Spaces below the Elevated Movement Axes to improve Livability in Egyptian Cities', <i>Journal of Urban Research</i> , 48 (No2), pp.20 -36. DOI: 10.21608/jur.2023.233548.1146

2024	Nermen M. Matter, Nevine G. Gado.(2024). 'Constructed Wetlands Nature-Based Solutions to Enhance Urban Resilience in Egyptian Cities',HBRC Journal,20 (No1), pp 231-255. DOI: 10.1080/16874048.2024.2311521
2024	M. Matter.N, G. Gado.N.(2024). 'Artificial Intelligence in Architecture: Integration into Architectural Design Process', Engineering Research Journal, 181, pp.A1-A16 .

Training courses:

2016	Teaching Strategies -NQAAE courses for faculties and institutes of higher educations
2016	Description of program and courses -NQAAE courses for faculties and institutes of higher educations
2020	Introduction To Elsevier's Engineering Solutions at Introduction to Elsevier's Engineering Solutions
2020	Online Teaching Methods and Techniques- Modern Academy
2021	Converting programs from Intended Learning Outcomes (ILO,s) to Competencies.- Modern Academy
2022	Fundamentals of international publications - Modern Academy
2022	Statistical analysis (SPSS) - Modern Academy
2022-2023	University accreditation: self-assessments - Modern Academy
2023	Design for programs and courses - Modern Academy
2023	Critical Thinking- FLDC- Cairo University
2023	International Publishing of Scientific Research – FLDC- Cairo University
2023	Essentials of Integrated Education – FLDC- Cairo University

Professional Experience

- Assistant Manager of the Quality Assurance Unit - Architectural Engineering and Building Technology Department - the Modern Academy for Engineering and Technology, from September 2020 to Present
- Participate in developing the Program according to the National Academic Reference Standards NAQAA (NARS), second edition 2018.
- Review of the quality files of the program courses for the different regulations (Course File).
- Preparation of the periodic work of the department Quality Office
- Raise awareness of the faculty members and students about the adopted standards
- Clearly define the program and course specifications including aims and Learning Outcomes, keeping constructive alignment between learning outcome, teaching modalities, assessment methods and available learning resources.
- Make available all evidence they may present under each of the standards and make it clear in self-evaluation reports and during external audits
- Raise awareness of educational quality assurance among the Academic Institutes.
- Supporting the Institution team in their preparation of self-assessment to assert confidence and establish accountability in the educational outcomes
- Participated in responding to the external review reports for the different program Law's description. (Law 2018and 2020)
- Participated in preparing and reviewing of the program course reports
- Participated in preparing and design course's descriptions for the different program Laws (Law 2018 and 2020)
- Member of the program's self-study as part of applying the National Authority for Quality Assurance and Accreditation standards, related to program and course design.
- Member of the Committee for the Development and Evaluation of Architectural Design Materials and Follow-up of Evaluation Systems to Improve the Quality of Architectural Design Programs
- Member of the External Training Evaluation Committees in the department, as part of the summer training activities.