

## Syllabus

### Environmentally friendly buildings

Course No.	12310468
Semester	2 <sup>nd</sup> 2025
Instructor	Eng. Tawfiq Saleh
Instructor's email	<a href="mailto:tawifiq.saleh@ptuk.edu.ps">tawifiq.saleh@ptuk.edu.ps</a>
Class time	Sunday, Tuesday, Thursday 9:00-10:00 am
Classroom	H112
Textbook	Green Buildings Guideline– Palestine Second Edition 2023
Other References	Lecture slides and notes
Course objectives	<ul style="list-style-type: none"> <li>• Introduce students to environmentally friendly concepts and sustainable practices in engineering projects.</li> <li>• Familiarize students with green building evaluation systems and certification standards, both locally and globally.</li> <li>• Explore the Palestinian context of green buildings, including challenges and opportunities.</li> <li>• Develop students' ability to assess and apply green building strategies in real-world projects.</li> </ul>
Evaluation criteria	Midterm exam: 35% Projects and homework: 20% Final exam: 45%
<b>Course outline</b>	
Chapter 1	Introduction to green buildings
Chapter 2	Site Sustainability
Chapter 3	Indoor environment quality
Chapter 4	Energy Use Efficiency
Chapter 5	Water Use Efficiency
Chapter 6	Materials and Resources
Chapter 7	Green buildings and climate change