



Philadelphia University

Faculty of Engineering - Department of Renewable Energy
Engineering
First Semester 2025/2026

Course Information

Title:	Energy legislation (0611312)
Prerequisite:	Energy Economics and Management (611312)
Credit Hours:	3 credit hours (16 weeks per semester, approximately 45 contact hours)
Textbook:	Environmental Law for Non-Lawyers by David Firestone
References:	<ul style="list-style-type: none">• http://www.memr.gov.jo/• http://www.moenv.gov.jo/Ar/Pages/default.aspx
Catalog Description:	The course focuses on the legislative frameworks that shape Jordan's regional and international energy provision. It also gives an analysis of the fundamental safety issues that are important for all renewable energy technologies.
Website:	https://www.philadelphia.edu.jo/academics/zalmuala/
Instructor:	Dr. Zaid Al Muala Email: zalmuala@philadelphia.edu.jo Office: Engineering building, room 6711, ext:2337. Office hours: Sat. & Mon.: 09:00 - 09:45 & 11:00 – 12:40 Sun. & Tues.: 09:30 - 11:00 & 12:40 - 13:40

Course Topics

Week	Topic
1	Introduction
2	Energy Situation in Jordan
3	Regional and International renewable energy legislation and policies
4, 5	Law 13 + 33 on Renewable Energy and Energy Efficiency
6, 7	Bylaw No. (73) For year 2012 - Conserving Energy ByLaw
8, 9	Law No. 73 of 2012
10	Energy Auditing License Instructions for 2017
11	The National Energy Efficiency Action Plan of Jordan
12, 13	Law No. (21) of 2022-Investment Environmental Law
14	Law No. 6 of 2014 - Environmental Protection Law in Jordan
15	Law No. 8 of 2017 - Energy and Minerals Regulatory Commission Law in Jordan
16	Review and Final Exam

Course Learning Outcomes and Relation to ABET Student Outcomes: Upon successful completion of this course, a student should:

1.	Understand the concept of energy legislation and its importance	[S2, C2]
2.	Know the legislation process in Jordan and how laws, by laws, and instructions are established	[S2, C2]
3.	To know the current energy situation of Jordan and understand the future energy strategy for Jordan	[S2, S4]
4.	To be aware of regional and international renewable energy policies	[C2, C4]
5.	To know important laws, bylaws, and instructions related to renewable energy in Jordan	[S2, C4]
6.	Understand the principles of environmental impact assessment and know the environmental requirements for new industries license	[C2 , C4]
7	Understand the concept of energy legislation and its importance	[S2, C4]

Assessment Instruments:

Evaluation of students' performance (final grade) will be based on the following categories:

- Exams:** Two written exams will be given. Each will cover about 3-weeks of lectures
- Quizzes:** 10-minute quizzes will be given to the students during the semester. These quizzes will cover material discussed during the previous lecture(s).
- Homework:** Problem sets will be given to students. Homework should be solved individually and submitted before the due date.
Copying homework is forbidden, any student caught copying the homework or any part of the homework will receive zero mark for that homework
- Participation:** Questions will be asked during lectures and the student will be assessed based on his/her response
- Final Exam:** The final exam will cover all the class material.

Grading policy:

Mid-Exam	30%
Homework	30%
Final Exam	40%
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Total:	100%

Attendance policy:

Absence from classes and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse, acceptable to and approved by the Dean of the relevant college/faculty, shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

October, 2025