



Philadelphia University

Faculty of Engineering - Department of Renewable Energy
Engineering

First Semester 2024/2025

Course Details:

Title: Energy Legislations (611411)

Prerequisite: Energy Conversion and efficiency (611312)

Credit Hours: 3 credit hours (16 weeks per semester, approximately 45 contact hours)

Textbook: Environmental Law for Non-Lawyers by David Firestone.

<http://www.memr.gov.jo>

References:

<http://www.moenv.gov.jo/Ar/Pages/default.aspx>

Course Description: The course is a requirement for level 4 renewable energy engineering students. It introduces design and analysis of wind energy systems.

Website: <http://www.philadelphia.edu.jo/academics/ayasin>

Dr. Aktham YASIN

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Instructor: **Office:** Engineering Building, Room 711, Ext: 2337
Office hours: Sat, Mon.: 11:00-12:00 and 13:00-14:00
Sun, Tues.: 11:00-12:00 and 14:00-15:00

Course Outlines:

Week	Topic
1	Introduction
2,3	Environmental legislations in Jordan
5	Pollution
6	Land Use
9	Waste and Resource Recovery
10	Pesticides and Toxic Substances
11	Energy
12	Global Environmental Law
13	Principles of environmental impact assessment
14	Writing of environmental impact assessment reports
15, 16	Environmental requirements for new industries license

Course Learning Outcomes with reference to ABET Student Outcomes:

Upon successful completion of this course, student should:

1.	To know the environmental legislations in Jordan specially for energy sector	[S2,C4]
2.	To know the different types of pollution	[S2, C4]
3.	To know waste and pollution control	[S2,C4]
4.	To know the different types of energy	[C4]
5.	To know the principles of environmental impact assessment	[S2,C4]
6.	To know environmental requirements for new industries license	[S2]

Assessment Guidance:

Evaluation of the student performance during the semester (total final mark) will be conducted according to the following activities:

Sub-Exams: The students will be subjected to two scheduled written exams, first exam and second exam during the semester. Each exam will cover materials given in lectures in the previous 3-4 weeks.

Quizzes: (2) quizzes of (10-15) minutes will be conducted during the semester. The materials of the quizzes are set by the lecturer.

Homework and projects: Tutorials sheets will be handed out to the students and homework should be solved individually and submitted before or on a set agreed date. Student may be assigned to present project(s).

Cheating by copying homework from others is strictly forbidden and punishable by awarding the work with zero mark.

Final Exam: The students will undergo a scheduled final exam at the end of the semester covering the whole materials taught in the course.

Grading policy:

Mid Exam	30%
Homework Quizzes and Participation	30%
Final Exam	40%
Total:	100%

Attendance Regulation:

The semester has in total 45 credit hours. Total absence hours from classes and tutorials must not exceed 15% of the total credit hours. Exceeding this limit without a medical or emergency excuse approved by the deanship will prohibit the student from sitting the final exam and a zero mark will be recorded for the course. If the excuse is approved by the deanship the student will be considered withdrawn from the course.

October 2024