

**The University of Jordan**  
**School of Engineering**  
**Electrical Engineering Department**  
2nd Semester – A.Y. 2020/2021



**Course:** Selected Topics in Power & Machines – 0943589 (3 Cr. – Elective Course)

**Instructor:** Prof. Eyad A. Feilat  
Office: E306, Telephone: 06/5355000 ext 22857, Email: e.feilat@ju.edu.jo  
Office Hours: Will be posted soon

**Course website:** <http://elearning.ju.edu.jo/>

**Catalog description:** Modern topics in electrical power systems or electrical machines to keep the student up-to-date in the areas of power generation (their policies and economics), energy sources, distribution systems and special machines.

**Prerequisites by course:** EE 0933482 Power System Analysis (II) (pre-requisite)

**Prerequisites by topic:** Students are assumed to have a background in the following topics:

- Power system components and analysis.
- Power system protection.
- Economic operation of power systems.
- Power system stability.

**Textbook:** To be announced.

**References:**

1. To be announced.
- 2.
- 3.
- 4.
- 5.
- 6.

**Schedule:** 16 Weeks, 42 lectures (50 minutes each) plus exams.

**Course goals:** The overall objective is to introduce the student to new trends and technologies in the world of power systems or electrical machines. The subject matter can change from one semester to the next.

**Course learning outcomes (CLO) and relation to ABET student outcomes (SO):**

Upon successful completion of this course, a student will:

[SO]

1. To be announced.

**Course topics:**

Hrs

1. To be announced.

42

**Ground rules:** Attendance is required and highly encouraged. To that end, attendance will be taken every lecture. Eating and drinking are not allowed during class, and cell phones must be set to silent mode. All exams (including the final exam) should be considered cumulative. Exams are closed book. No scratch paper is allowed. You will be held responsible for all reading material assigned, even if it is not explicitly covered in lecture notes.

**Assessment & grading policy:**

Assignments	0%	Quizzes	0%
First Exam	30%	Projects	0%
Midterm			
Exam	30%	Lab Reports	0%
Final Exam	40%	Presentation	0%
		<b>Total</b>	<b>100%</b>

**Last Revised:**

March 2021

