Electric Power Distribution Systems II



EME410

Spring 21-22

Lecture 1

Introduction



INSTRUCTOR

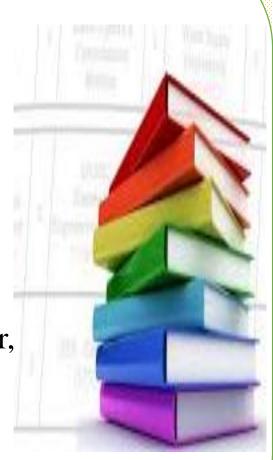
DR / AYMAN SOLIMAN

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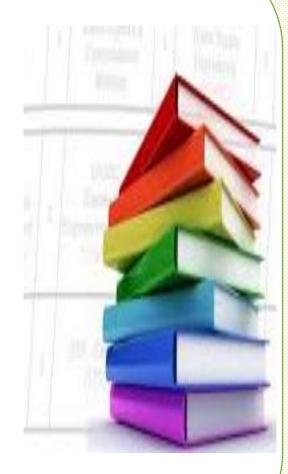
1) Course Contents.

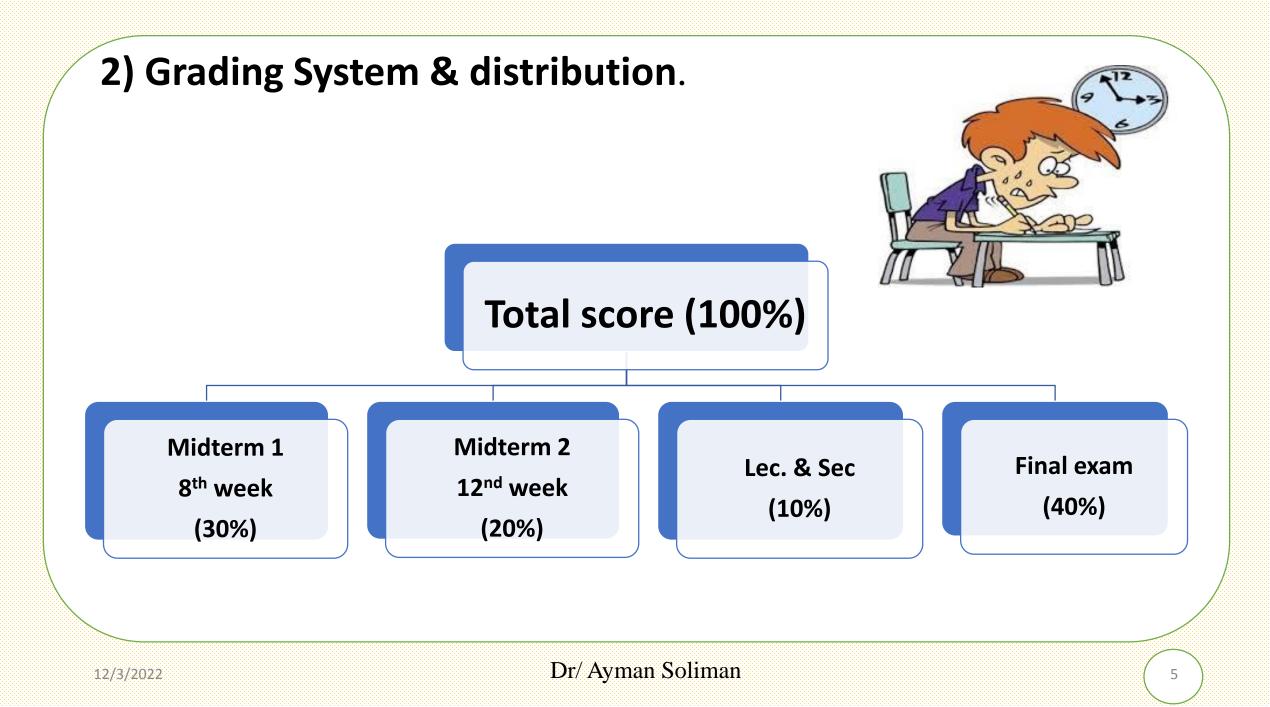
- Introduction
- ➢ Voltage Drop Calculation.
- > Short Circuit Calculation.
- ➢ ETAP Program.
- ➢ power factor Correction
- Transformer sizing and Selection, Generator Sizing, Distributor, U.P.S types / selection.
- Low / Medium voltage distribution systems:(A.C., and D.C. systems, Ring main unit (R.M.U).



1) Course Contents.

- Medium voltage panels design, types.
- Medium voltage cables design, types.
- \succ Bus bar selection / design.
- Medium /Low voltage panels component design.
- > Earthling system for lightning.
- Revit Program





3) Course Information.

Lecture: Thursday (12:20 - 13:55 PM)

Office Hours: Saturday, Tuesday, Thursday.

References:

Lectures.
IEC – ANSI/IEEE Standards.
Egyptian Code.

Instructor:

Dr. Ayman Soliman ayman.mohamed01@bhit.bu.edu.eg

TAs:

Eng. Fekry Awad

4) Course Policy.

- Be on time and cell phones should be silent or off during the lecture.
- Any forms of cheating or plagiarism will result in a Zero grade for the required task, report or exam (No discussion nor excuses).
- Students are expected to respect Instructors, TAs, and their colleagues.
- > Your grades is based on **merit only** nothing else.







