



Faculty of Engineering and Applied Science

Course Outline

ENGI 9858

Fall 2020-2021

ENGINEERING 9858: Advanced Power Systems

Instructor **Dr. B. Jeyasurya**
E-mail **jeyas@mun.ca**
For help **contact by email**

Website: <http://www.mun.ca/engineering/about/people/benjaminjeyasurya.php>

Communication: I can be contacted by email.

RESOURCES:

Textbook: Power System Analysis and Design, Glover/Overbye/Sarma, 6th edition, Cengage Learning, 2017.

[https://mun.bookware3000.ca/CourseSearch/?course\[\]=MUN,FALL20,ENGI,ENGI985801,&](https://mun.bookware3000.ca/CourseSearch/?course[]=MUN,FALL20,ENGI,ENGI985801,&)

Text, Lecture notes, and online.mun.ca (D2L)

MAJOR TOPICS:

- Study of basic power system concepts
- Per-Unit System for Power System Analysis
- Transmission Lines
- Power Flow Studies
- Additional, depending upon time

ASSESSMENT:

| | |
|----------------------|----------------|
| Assignments | 10 % |
| Practice test | Sep. 29 |
| Test 1 | Oct. 8 |
| Test 2 | Nov. 3 |
| Test 3 | Nov. 19 |
| Tests best 2 | 50 % |
| Final exam | 40 % |