Dr. Mork

EE 5200 - Advanced Methods in Power Systems
Fall Semester 2018

(Or 2nd Edition © 2016)

COURSE URL: http://www.ece.mtu.edu/faculty/bamork/ee5200/

REFERENCES: Useful references, in addition to the course text, are listed on the course web page.

READING: The course web page provides approximate schedule of topic coverage and chapters in text book. Text and other related material provided by your instructor are to be perused prior to lecture.

HOMEWORK: Homework problems (computer applications and MatLab programming tasks may be integrated). Use homework submission cover sheet. Depending on scope and nature of each assignment, you will sometimes work by yourself, or with a partner, or in a group. You are encouraged to share concepts and ideas via our e-mail discussion forum, but may not copy each other's homework or programs. Mini-Lectures on course topics and/or research papers are assigned. [Remote students can submit their mini-lecture summary/lecture notes.]

TESTS: Up to two tests may be given (i.e. 0 - 2 tests). Format will usually be take-home, with 24-48 hrs to complete. There is no final exam. A term project will be completed by end of Week 14, with a formal presentation given during final exam timeslot.

INTEGRITY: The university's policy on Academic Integrity (informally known as the “cheating policy”) shall be strictly enforced http://www.admin.mtu.edu/usenate/policies/p109-1.htm (Note: giving away or uploading course materials (intellectual property) is a violation.)

ABSENCES: Students are expected complete all tests during the scheduled timeframe. Excused absences must be arranged in advance. Absence due to serious illness or accident is of course allowed, contact your instructor as soon as you are well enough to plan make-up work. Absences due to job interviews or personal travel plans are unfortunately not considered excused by MTU policy. [Remote students may have immovable work conflicts, which can usually be accommodated if arranged in advance.]

HELP FROM INSTRUCTOR: Questions are encouraged in class, as time permits. Instructor and TA are available for help during designated office hours in EERC 123 or 614. Individual or group help sessions can be prearranged for local students. All are encouraged to participate in our community forum at ee5200-l@mtu.edu. Please make an effort at solving the problem before asking for help, and be prepared and organized when presenting your problem. This allows assisting as many students as possible during the available office hours.

INT’L STUDENTS All on-campus students are expected to enroll in the on-campus section of this course and regularly attend lectures. In cases of high demand for this class, the on-campus section may be fully enrolled. Unfortunately, classroom enrollment limits may not be increased due to fire and safety regulations. However, additional on-campus students may enroll in the online section provided that a) the on-campus section is fully enrolled, b) they maintain on-campus residency, c) they follow along with all videostreamed lectures, and d) they actively participate in scheduled office hours provided by the professor and the grading assistant. A Weekly attendance will be recorded at faculty and grader office hours. Non-compliance with attendance requirements by international students will be referred to the International Program Office for administrative action.

GRADING: Final averages will be based on the following distribution:

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hour Tests or Major Assn (1)</td>
<td>25%</td>
</tr>
<tr>
<td>Participation, other</td>
<td>5%</td>
</tr>
<tr>
<td>Homework &amp; Software Aps</td>
<td>37.5%</td>
</tr>
<tr>
<td>Presentations/Mini-Lectures</td>
<td>12.5%</td>
</tr>
<tr>
<td>Term Project, Milestones</td>
<td>20%</td>
</tr>
</tbody>
</table>

(distributed to other categories if no test)

(Cont’d on next page... )
Worst case cutoffs are: A = 90; AB = 85; B = 80; BC = 75; C = 70; F below 70. Students who complete the work at a high standard and on time are generally assured of an A or B grade. Low standard or incomplete or late work can result in a C or lower grade. Grades to date will be periodically made known to the students. Please verify that your grades have been correctly entered.

Note that participation and other qualitative aspects are weighted 6.25%. Factors include: value of your classroom participation and discussions in e-mail forum, attendance, anticipation and proactivity, submitting work on time, quality and legibility of submitted work, collecting graded homework and reconciling error, and other issues of professional merit. These factors are also considered if your final average falls at or just below a grade cutoff.

Refer to course web page, http://www.ece.mtu.edu/faculty/bamork/ee5200/ , for add’l course details, learning goals, and resources.