Course Description  Matrix algebra for network analysis, network parameters, macromodeling, high frequency measurements, network functions, and theorems. Topics in computer-aided analysis.

Prerequisites  MATH 310 (Linear Algebra) and grade of C or better in ECE 310 (Signals & Systems).

Textbook  There is no required text for the course. All necessary handouts will be available on the course website. We have used the following text in the past semesters: J. Choma, Electrical Networks, John Wiley & Sons, 1985, ISBN: 0471085286. Note: This textbook is currently out of print; however, you might be able to find a used version online. First five chapters of this out-of-print text will be provided to all students.

Homework  Reading and homework will be assigned and the solutions will be posted after the due date. Homework problems must be handed in at the beginning of the lecture and will be the basis for the exams. Late homework will not be accepted for any reason. Homework must be done on 8.5”×11” sheets and must include the cover sheet given on the course webpage. The sheets must be stapled and turned in on the beginning of lecture on the due date.

Exams  Exams will be based on homework and material covered in lectures. There will be two exams on Fridays in weeks 6, 11, and a final exam during the finals’ week.

Grade Determination  Your grade for the course will be determined by your performance in the homework and exams. Here are the relative weights for each component:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Two Hour-Exams</td>
<td>50%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>35%</td>
</tr>
</tbody>
</table>

Grading Scale: (A = 90–100%, B = 80–89%, C = 70–79%, D = 60–69%, F = 0–59%)

Professional and Ethical Responsibility

Check the course webpage regularly – I will announce in class when something is posted on the course webpage; however, I will not be sending out mass emails all of the time so it is your responsibility to check the webpage frequently.

Attend lectures – Not all material and examples covered in class will be available in the text. If you miss any lecture, arrange with a classmate to get a copy of lecture notes.

Take exams and submit homework on scheduled dates – No make-up exams or alternate arrangements will be allowed unless for reasons beyond a student’s control (supporting documents required). Homework must be handed in class on the due dates for the assignment. Soft copies of the homework will not be accepted. Late homework will not be accepted.

Religious holidays – Students who wish to observe their religious holidays should notify instructor by the tenth day of the semester the date when they will be absent unless the religious holiday is observed on or before the tenth day of the semester. In such cases, the students should notify the instructor at least five days in advance of the date when he/she will be absent. Every reasonable effort will be made to honor the request.
Classroom Policies Any action that distracts or disrupts others is not permitted during lecture. This includes eating, talking/texting on a mobile phone, using headphones, surfing the web, wearing inappropriate dress, reading a newspaper, etc. Offenders will be asked to leave the classroom. Please respect your instructor and especially your classmates (who are paying to take the course and rightfully expect a quality learning environment) at all times. If you arrive late to lecture, enter quietly and sit in the back.

Disability Services

https://registrar.uic.edu/campus_policies/disability_notification.html
http://www.uic.edu/depts/oaa/disability_resources/index.html
https://library.uic.edu/help/article/1955/use-accessibility-services

Campus Policies and Student Notifications

https://registrar.uic.edu/current_students/campus_policies.html
http://www.uic.edu/uic/about/tobacco-free/index.shtml

Academic Dishonesty It will not be tolerated! Academic dishonesty will be dealt with according to the policies set forth in the UIC Student Disciplinary Policy booklet that is posted at:


Here are some examples of academically dishonest actions:

– Cheating: Either intentionally using or attempting to use unauthorized materials, information, people, or study aids in any academic exercise, or extending to or receiving any kind of unauthorized assistance on any examination or assignment to, or, from another person.

– Fabrication: Knowing or unauthorized falsification, reproduction, lack of attribution, or invention of any information or citation in an academic exercise.

– Facilitating Academic Dishonesty/Plagiarism: Intentionally or knowingly representing the words or ideas of another as one’s own in any academic exercise.

– Bribes, Favors, Threats: Bribing or attempting to bribe, promising favors to or making threats against, any person, with the intention of affecting a record of a grade, grade, or evaluation of academic performance. Any conspiracy with another person who then takes or attempts to act on behalf or at the direction of the student.

– Examination by Proxy: Taking or attempting to take an exam for someone else other than the student is a violation by both the student enrolled in the course and the proxy or substitute.

– Grade Tampering: Any unauthorized attempt to change, actual change of, or alteration of grades or any tampering with grades.

– Non-Original Works: Submission or attempt to submit any written work authored, in whole or part, by some-one other than the student.

For more information please visit the UIC Office of the Dean of Students website Academic Integrity:
http://dos.uic.edu/community-standards/academic-integrity

Prof. Vahe Caliskan
Posted: August 26, 2019