**Syllabus**

**EECS 70A (CSE 70A) Spring 2018**

**Code 18115, 35890, 16500**

##### Network Analysis I

**Textbook:** *Fundamentals of Electric Circuits (5th Edition)* Alexander & Sadiku, McGraw Hill, 2013.

**Prerequisites:** Physics 7D; EECS10, MAE10, EECS12, CSE41, or ICS31.

**Co-requisites:** Mathematics 3D.

**What I want you to learn about (“Outcomes”):**

1. Use mathematical tools for analyzing linear RLC circuits.
2. Describe the basic network theorems.
3. Describe the concepts of frequency response of linear RLC circuits.

**Lecture Hours:** 12:00 pm – 12:50 pm M/W/F

**Lecture Classroom:** ELH 100

**Discussion Sessions:**

A1: TUE 5:00 pm – 5:50 pm in ELH 110

A2: TUE 6:00 pm – 6:50 pm in ELH 110

A3: THU 8:00 am – 8:50 am in PCB 1300

A4: THU 10:00 am – 10:50 am in ELH 110

**Instructor:** Peter Burke, Prof. of Electrical Engineering and Cptr. Science

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**Teaching Assistant:** To be announced

**T.A. Office:** To be announced

**T.A. Office Hours:** To be announced

**Grading Components:** Homeworks 10%

Weekly quizzes 10%

Midterm Exams (dates to be announced) 60%

Final Exam (Wed Jun 13 4-6 pm) 20%