How to be a successful student in EE 402:
1. plan on spending a minimum of 8 hours per week outside of lecture
2. do the reading assignment before lecture – come to class prepared with questions
3. form a study group (three people are best) – meet before homework is due, and exams
4. reference your texts for calculus, physics and circuits to review prerequisite material in:
   a. vector calculus (MATH 241) - vector algebra, integration (line, surface, volume), differentiation (derivative, gradient, divergence, curl)
   b. physics (PHYS 133) – wave equation and motion, charges and electric fields \(q, \mathbf{E}, \mathbf{D}\), currents and magnetic fields \(I, \mathbf{H}, \mathbf{B}\), properties of materials \(\sigma, \varepsilon, \mu\)
   c. circuits (EE 112/211/212) – solution of linear differential equations; linear analysis in time (transient and steady-state) and frequency (phasor and impedance) domains; sinusoidal steady-state analysis (complex power)
5. review all text examples and do all the homework – ask questions in lecture on examples, and understand solutions to all homework problems; attempt your homework solution without making reference to any solutions in the public domain
6. take advantage of the office hours to answer individual questions
7. consult the recommended texts listed in the syllabus for additional reading on subjects
8. use Google (or your favorite search engine) to search the web for resource materials on concepts that you wish to gain greater understanding; it is recommended that only resources with authoritative qualifications such as university sites be consulted
9. review previous exam reviews and midterms on the website for EE 402 (and EE 335, EE 334, and EE 313) – use these resources to assist you in memorizing the definitions and laws/principles of electromagnetic theory; use dimensional analysis to assist in memorizing formulas; be able to derive results from definitions and laws/principles
10. strategy for taking exams: initially, read all problems; then, answer questions that yield 70% of the total, checking all results; finally, complete other problems as time permits