

Lecture 1 -- Handout -- Intro and Linear Network Review w/ Thevenin

*Intro and Overview of Syllabus*

What are the learning goals of this class?

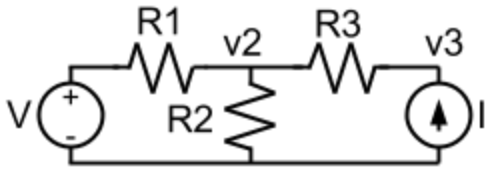
What are the four types of circuit problems/analyses you will learn about?

What are the purposes of a lab notebook in the context of this class? Who is the intended audience for your lab notebook?

Does Prof. Spencer know who my lab partner is?

*Review of Linear Network Theory:*

Solve this circuit using superposition. Be comfortable that superposition is not magic. Feel free to solve it two other ways too.



What is a dependent source and what are the symbols we use for it?

What are the three parameters that can be used to describe loading of a linear network port?  
How are they related? (Consider a graphical representation)

Find the Thevenin resistance at  $R_3$  in the above circuit in three ways.