

**Department  
of  
Electrical and Computer Engineering, UC.  
EE - 352  
ELECTRONICS II  
SPRING QUARTER 2010**

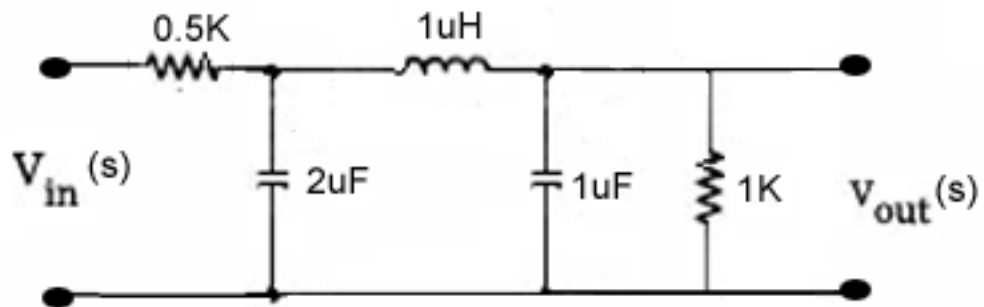
**HOMEWORK ASSIGNMENT #6  
Due May 20, 2010**

*Final Exam:* 20 EECE-352 001 6/9 Wednesday 2:15-4:15pm Swift 519

*Test No:2.* Wednesday 26, 2010, Covers Chapters on *Feedback and Filters*.

**Homework:**

**Problem #1:** Determine the Transfer function of the following circuit and find poles and zeros.



**Problem 2:** Design (a) Low-pass filter, (b) High-pass filter and (c) Band-pass filter. Pick your own  $\omega_0$ 's. Verify your circuits by simulating each filter using PSpice. Submit simulated results with your calculations.