

**EE 20242**

**Electronics I**

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**Homework #4**

Due 2/17/14

Problem 1: Sedra & Smith, problem 4.23. Note that you need to use the exponential model for this problem.

Problem 2: Sedra & Smith, problem 4.26. Please use the exponential model for this problem. Perhaps surprisingly, you do *not* need the specific value of  $I_s$  to solve the problem.

Problem 3: Sedra & Smith, problem 4.34

Problem 4: Sedra & Smith, problem 4.39

Problem 5: Sedra & Smith, problem 4.52

Problem 6: Sedra & Smith, problem 4.54

Problem 7: Sedra & Smith, problem 4.59