

UNIVERSITY OF MIAMI
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
EEN 415/418 – SENIOR PROJECT PLANNING/SENIOR PROJECT I

Fall 2014

Homework 1

- 1) **Chapter 1, Problem 4:** Construct the flow chart of a prescriptive design process that includes the following phases: (a) Problem Identification, (b) Research, (c) Specification, (d) Concept, and (e) Design. Include decision-making blocks at appropriate places, which would allow for iteration as necessary.

- 2) **Chapter 1, Problem 7:** Using the library or Internet, conduct research on the Extreme Programming design process. Outline the significant elements of the Extreme Programming paradigm. What are the pro and con arguments for this software development model? Be sure to cite references.

- 3) **Chapter 1, Problem 8:** Project Application. In preparation for the project and team selection, develop a personal inventory that includes a list of five favorite technologies or engineering subjects that you are interested in pursuing. Also, list the strengths and weaknesses that you bring to a project team.

Due Date: Friday, September 5, 2014

Note: The class textbook is “**Design for Electrical and Computer Engineers**”, Ford, R., Coulston, C., 1st Edition, McGraw-Hill 2008