ECE 641  Computer System Architecture     Fall 2010

71123    Th  4:30pm - 7:10pm    Robinson B218

Prof. Daniel Tabak,  Eng.3707,  dtabak@gmu.edu
Office hours:  Th  3:30 – 4:30pm
Prerequisite:  ECE 511 or equivalent.  Strictly enforced.

Course content:

1.  Definition of the concept of Computer Architecture. The Semantic Gap in Computer Design. Week 1, 9/2
3.  Multiprocessors: software and OS.  Week 3, 9/16
5.  Multicore chip systems.  Weeks 6, 8, 10/7,21
6.  EPIC – Explicitly Parallel Instruction Computing.  Week 9, 10/28
7.  Examples of actual multiprocessors.  Week 10, 11/4

Literature:
No required textbook.  Recommended reading:

Grading policy:
3. Term paper presentation (30%) to be scheduled for each student individually.
   Final written report to be submitted at the time of presentation.