Course: ENPM808D – Network System Design
Semester: Fall 2015
Day(s): Monday
Time: 7:00-9:40 PM
Location: JMP 2216 (DETS)
Instructor: Ali Namazi
Phone: TBD
Email: TBD

Course Description

The goal of this course is to learn network systems from a practical viewpoint. The course begins with an introduction to network architecture and protocols, and continues with an in-depth hardware oriented look at the key elements of network systems, such as switches. The focus is on the implementation aspects of a network, without going much deep into the details of network layers and protocols themselves. Basic knowledge of hardware systems is required.

Grading:
- 30% Midterm
- 50% Final
- 20% Project

Required/Recommended Textbooks

- Strongly Recommended

Course Outline

- Introduction to Network System
- Interconnects and switch fabrics
- Layer 2 switches and bridges
- Routers
- Specialized hardware for network systems
- Example L2 switch design
- Quality of Service (QoS)
- Network security

Code of Academic Integrity

The University of Maryland, College Park has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity of the Student Honor Council, please visit http://shc.umd.edu/SHC/HonorPledgeInformation.aspx.