

CPEN 422/PYHS 522

Microprocessor Based Systems

Instructor:

Dr. Dali Wang
Office: Gosnold Hall 138
Phone: 594-7828
E-mail: dwang@pcs.cnu.edu
Office Hours: to be announced in class.

Text:

Microcontroller Technology: The 68HC11, Peter Spasov, 4th Edition, Prentice Hall

Prerequisites & Corequisites:

CPEN 315, CPSC 231

Course Goals:

The following is a list of selected objectives in two ratings (you will need this information for the course evaluation later this semester):

I = important

E = essential

Gaining factual knowledge (terminology, classifications, methods, trends): E

Learning fundamental principles, generalizations, or theories: I

Learning to apply course material (to improve thinking, problem solving, and decisions): E

Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course: I

Acquiring skills in working with others as a member of a team: I

Learning how to find and use resources for answering questions or solving problems: I

Catalog Description:

In depth study of current microprocessor issues; interfacing and data communications; buses and memory/peripheral connections; parallel interfaces; serial interfaces; analog interfaces. Applications by means of case study method.

Grading Policy:

Final grades in the course will be based on the following distribution.

Projects & homework, research papers/presentation	60%
Attendance & participation	5%
Exams	35%

Projects play an essential role in this course. A lot of material will be learned through projects and assignments. The goal of each homework and project will be clear stated.

Late work will be docked 20% if it is no more than one week late, unless arrangements made in advance (if approved).

Attendance is required for this class. Each absence will result in 1% loss in the overall grade. Points will also be deducted from the attendance grade if you are consistent late for your class.

Students with Disabilities:

If you believe you have a disability, you should make an appointment to see the instructor to discuss your individual needs as soon as possible. In order to receive an accommodation, the disability must be on record in the Academic Advising Center where the Coordinator for Services to Students with Disabilities is located.

Additional Note:

I am strongly committed to continually improving every course I teach, and student feedback is essential for making improvements. Your feelings about the course (good or bad) are very important to me. Any feedback (ideas, suggestions, comments) you can provide would be greatly appreciated.