

1. Course Title:

Microprocessor Assembly Language

EET 370 – 4 Credits

EET Program Requirement

Prerequisite: EET 221

This is a Technical content course under ABET Criterion 5

2. Faculty Member Information:

Instructor:

Office: Hebelers 101A

Phone: 509-963-1763

E-mail: gumaerj@cwu.edu

3. Course Description:

Programming applications with an emphasis on networking, computer interfacing, and embedded systems applications.

4. Textbook and other required materials for the course:

Deitel, P.J. & Deitel, H.M., *C How to Program*, 5th Ed, Pearson Education Inc., 2007

5. Specific Learner and Expressive Outcomes and Assessment Strategies:

ABET Outcome Criteria #	Learner Outcomes	Assessment
9.A.3. 9.A.7.	1. The student will write a computer program in a structured language	The student will complete a written test and perform laboratory assignments
3.d.	2. The student will design software to solve technical problems.	The student will complete a written test and perform laboratory assignments
3.f.	3. The student will write software test and debug programs.	The student will complete a written test and perform laboratory assignments
	4. The student will write a computer program that performs data conversions using arithmetic formulas	The student will complete a written test and perform laboratory assignments
	5. The student will communicate assumptions, results (data), and conclusions about technical information in a coherent and prescribed format.	The student will complete a written test and perform laboratory assignments

6. Course Topics and Schedule:

Week of	Topic	Reading
	Intro, History, Tools, Operators	Ch. 1,2
	Algorithm Design, Selection, Repetition	Ch. 3,4
	Functions	Ch. 5
	I/O Formatting, Arrays, Exam 1	Ch. 9,6.1-6.6
	Exam 1 Review, File Access	Ch. 11.1-11.5
	Pointers, Structures	Ch. 7.1-7.10,10

Strings, C Hardware Interfacing
Exam 2, C Hardware Interfacing
Exam 2 Review, C in Embedded Systems
C in Embedded Systems
C in Embedded Systems, Review
Final Exam 12:00-1:50 PM (Comprehensive)

Ch. 8

7. Grading:

Your EET370 grade will be based upon the number of points earned during the quarter. There will be a total of 500 points possible. The point breakdown and grading scale are shown below.

Exam 1	50
Exam 2	50
Final Exam	100
Programming Assignments	300
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Total Points	500

The grading scale is as follows:

A = over 464 B = 415-434 C = 365-384 D = 315-334
A- = 450-464 B- = 400-414 C- = 350-364 D- = 300-314
B+ = 435-449 C+ = 385-399 D+ = 335-349 F = 299 and below

8. ADA Statement:

Students who have special needs or disabilities that may affect their ability to access information and or material presented in this course are encouraged to contact me or Robert Harden, ADA Compliance Officer, Director, ADA Affairs and Students Assistance on campus at 963-2171 for additional disability related educational accommodations.