

Wright State University

CORE Scholar

Computer Science & Engineering Syllabi

College of Engineering & Computer Science

Spring 2009

CEG 233-01: Linux and Windows

Prabhaker Mateti

Wright State University - Main Campus, prabhaker.mateti@wright.edu

Follow this and additional works at: https://corescholar.libraries.wright.edu/cecs_syllabi



Part of the [Computer Engineering Commons](#), and the [Computer Sciences Commons](#)

Repository Citation

Mateti, P. (2009). CEG 233-01: Linux and Windows. .
https://corescholar.libraries.wright.edu/cecs_syllabi/1090

This Syllabus is brought to you for free and open access by the College of Engineering & Computer Science at CORE Scholar. It has been accepted for inclusion in Computer Science & Engineering Syllabi by an authorized administrator of CORE Scholar. For more information, please contact library-corescholar@wright.edu.

Syllabus
CEG 221 Introduction to C Programming for Engineers
Section 01 – Spring 2009

T Th 4:10 p.m. – 5:50 p.m. in Russ Engineering Center Room 346

Description: This course introduces advanced constructs, algorithms, and data structures in the C programming language. Emphasis is on problem solving and techniques useful to engineers. Topics include functions, array, pointers, structures as well as sorting algorithms, linked lists, complex numbers, and numerical methods applications. 4 credit hours. Prerequisite: CEG220 (Introduction to C Programming for Engineers).

Instructor: Dr Jay DeJongh, 341 RC, 775-2555. E-mail: jay.dejongh@wright.edu Office hours: 4:00-5:00 M, 3:00-5:00 W, 2:00-4:00 TH. Other hours by appointment; all you have to do is talk to me and we will find a time to meet.

Textbooks:

C: The Complete Reference, Fourth Edition, Herbert Schildt, Osborne/McGraw-Hill, 2000.

Software: Dev-C++ Version 4.9.9.2 for Windows. Free download (9.1 MB) from <http://www.bloodshed.net>.

Grading: Two Exams @ 15% each. One Final: 30%. Five Projects: 40%. Course Exams and the Final Exam will be closed book, closed notes. A one page, 8.5 x 11 help sheet will be allowed. Quizzes may, but not necessarily, be given. If given, they may be either an in-class written exam, an in-office oral exam, or a take-home. Quiz points will be included as part of the 30% exams grade.

Grading scale: **A:** 100-90, **B:** less than 90-80, **C:** less than 80-70, **D:** less than 70-60, **F:** less than 60-0.

Policy:

Quizzes may be announced or unannounced and may be given at the beginning or at the end of the class. Projects are due at the time and date specified on WebCT. There will be no credit for late project submittals. No late exams or quizzes unless there is a verifiable emergency. Exceptions to the late policy may be made unusual circumstances. All work must be your own; sharing of program code will result in a grade of "zero" for all involved. Sharing ideas, general programming concepts, and general computer skills with others outside of class is encouraged. Students are expected to read and follow the Academic Integrity Policy:

<http://www.wright.edu/students/judicial/integrity.html>

WebCT:

Grades will be posted, programs will be submitted, and any handouts will be distributed through WebCT. Students should become familiar with WebCT (campus login username and password required) and should read the instructions on the entry page at:

<http://wisdom.wright.edu>

Schedule

Week	Topic	Reading	Exams	
1	Review of C: Selection, Control File Operations, Math and Character Functions	Ch 1-3, 8-9, 13-15		
2	Arrays, Arrays and Functions, Searching and Sorting	Ch 4, 6, 21		
3	Typedef, Enum, Structures, Unions, Pointers	Ch 5, Ch 7		
4	Pointer Applications Exam 1	Ch 5	Exam 1, Thursday	
5	Structures, Dynamic Data Structures, Linked Lists	Ch 7, 17, 22 (pg 521-541)		
6	Recursion, Complex Numbers, Bitwise Operations	Ch 6 (pg 164-166) Ch 11 (pg 289) Ch 20 (pg 484-487) Ch 1 (pg 48)		
7	Binary File I/O	Ch 9		
8	Applications: Numerical Methods Exam 2		Exam 2 Thursday	
9	Applications: Numerical Methods			
10	Applications: Numerical Methods, Review			
Finals	Tuesday, June 9, 5:45-7:45pm			

Project Schedule

All projects are due when noted. There will be no late submittals.

Project	Assigned Sat, 8 am	Due Friday 11:55 pm
1	Mon March 30	Apr 10
2	April 11	April 24
3	April 25	May 8
4	May 9	May 22
5	May 23	May June 5