Wright State University

CORE Scholar

Summer 2005

CS 240: Computer Science - I

Ronald F. Taylor
Wright State University - Main Campus, ronald.taylor@wright.edu

Tu Th 2:15-3:30 p.m., RC 150 (Lecture)
Plus **one** of the following lab sections:

Sect	Time	Day	Room
5	4:10 – 5:00 p.m.	Th	RC346
6	12:20 – 1:10 p.m.	Th	RC346

Description: Basic concepts of programming and programming languages are introduced. Emphasis is on structured programming and stepwise refinement. For CS/CEG majors with familiarity of a high-level programming language. Co-requisite: MTH 130 and 131; or MTH 134.   4 credit hours.

Instructor: Dr. Ronald F. Taylor 775-5122 (Office RC 356) or 775-5131 (CSE Dept RC 303), ronald.taylor@wright.edu. Office hours: 9:00 - 11:00 a.m. Tu and Th (other times by appointment)

Textbook: **Big C++**, C. Horstamnn and T. Budd, Wiley, 2005, ISBN 0-471-47063-5.

Language: Microsoft Visual C++ 6.0 Compiler (available at the circulation desk of Dunbar Library).

Home Page: http://www.cs.wright.edu/people/faculty/rtaylor/cs240   (available second week)

Workload/Grading:

Programming Assignments (4 to 6):	30%
Laboratory Exercises (6 to 8):	20%
One Mid-term Exam:	25%
Final Exam:	25%

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

Policy: No late exams unless verifiable emergency. **All work must be your own; sharing of program code will result in a grade of "zero" for all those involved. Official university policy will be followed in cases of academic dishonesty.** Don't show others your programs and don't look at someone else's code. However, sharing ideas and general computer skills with others outside of class is encouraged. The instructor considers it important to attend all lectures and lab sessions. You are responsible for material covered in lecture, lab, and the corresponding material in the text. Programming and Laboratory assignments will be issued in class or during the lab sessions. Each assignment will state the due date. Late assignments are accepted at the discretion of the TA, who will impose a late penalty.

Schedule: See table below. Topics may vary.

Topics to be covered each week are listed, followed by the accompanying sections in the text. Not all sections listed are directly covered in class. Students are expected to read and study the text. If you have questions on the text, please ask. It is otherwise assumed that the material has been studied and is understood. This schedule is subject to change; however, Exam dates are firm.

Week	Topic	Text
1	Introduction to Computers and Programming, Number Systems, Data Types, Variables, and Simple I/O	Ch. 1, App. F, Ch. 2.1-2.4
2	Arithmetic and String Expressions, Quick Introduction to Objects	Ch. 2.5-2.6, Ch. 3
3	Basic Flow of Control (Conditional Decisions and Iteration)	Ch. 4
4	Functions	Ch. 5.1-5.6
5	Procedures and Software Design, **Mid-term Exam July 14th**	Ch. 5.7-5.13
6	Classes	Ch. 6
7	Advanced Flow of Control	Ch. 7
8	Testing and Debugging	Ch. 8
9	1-D Vectors and Arrays	Ch. 9.1-9.5.3
10	Multi-dimensional Vectors and Arrays, Review, **Final Exam: August 18th**	Ch. 9.5.4