Fall 2005

CS 240: Introduction to Computer Science I

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Wright State University - Main Campus

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CS 240 – Introduction to Computer Science I (Fall 2005)
153 Russ Engineering Center, 12:15-1:20pm MWF

Instructor: Dr. L. Jane Lin, 169 Russ Engineering Center
(off the study area inside 158 Russ Engineering Center)

Email: jane.lin@wright.edu

Web site: http://www.wright.edu/~jane.lin

Office Hours: 11:50am-12:20pm TR; 1:20-2:00 pm MW RC 160 or by appointment


Disks: at least two formatted 3.5'' High Density Diskettes

Software: Microsoft Visual C++ .NET (available in WSU Dunbar library with a nominal fee)

Course Description:
This course is the first in the three course sequence "Introduction to Computer Science" offered by the Computer Science department at WSU. This course introduces a general introduction to C++ programming language. It introduces the fundamental capabilities of C++ language as a problem solving tool. Topics include data representation, debugging and program verification. Note: For all CS 24X students, concurrent registration into CS 24X lab is a must.

Prerequisites: MTH 130 & MTH 131; or MTH 134 (co-requisite) or equivalent.

Grading Policy: Final grades will be computed as follows.

4 Programming Assignments ------- 32%
8 Lab Exercises ----------------- 20%
2 Examinations ------------------ 28%
1 Final Examination -------------- 20%

Grading Scale: The final grade is assigned as follows.

90-100 ------------------------------- A
80-below 90 -------------------------- B
70-below 80 -------------------------- C
60-below 70 -------------------------- D
Below 60 ----------------------------- F

General Class Policy
It is strongly advised that students attend all lectures and lab sessions. In the event of absence, a student is responsible for material covered in lecture/lab, and making up all missed work in the timeliest manner. There is a lab section for this course and labs are handled by lab teachers who will guide and check eight laboratory assignments. Students are required to complete at least two projects and four lab assignments to receive a non-X grade. Programming projects are due at the beginning of the class on the date they are due. No late submissions are accepted. Always submit your work since partial credit is available. Examinations will be given on the dates specified on the class schedule. If a student misses a test, that test has 0 score automatically.

Class Schedule (⇒ over)
## CS 240 Course Schedule (Fall 2005)

<table>
<thead>
<tr>
<th>Date</th>
<th>Class Topics and quiz/exam dates</th>
<th>Reading Assignments</th>
</tr>
</thead>
</table>
| 9-7    | Introduction to Computers and Programming  
Number Systems  
Data Types, Variables, I/O | 1  
App F  
2.1-2.4 |
| 9-12   | Arithmetic and String Expressions; Objects  
Quick Introduction to Objects | 2.5 - 2.8  
3 |
| 9-14   | Flow of Control (conditional decisions and iteration) | 4 |
| 9-19   | Flow of Control (conditional decisions and iteration) | 4 |
| 9-25   | Last day to drop without a Grade: Monday, Sept. 26 | |
| 9-28   | Functions | 5.1 - 5.6 |
| 9-30   | Examination 1 (Covers Chapters 1-5, App. F) | |
| 10-3   | Procedures and Software Design | 5.7 - 5.13 |
| 10-5   | Procedures and Software Design | |
| 10-10  | Classes | 6 |
| 10-15  | Adv. Flow of Control | 7 |
| 10-24  | Last day to drop with W Grade: Monday, Oct. 24 | |
| 10-24  | Testing and Debugging | 8 |
| 10-28  | Examination 2 (Covers 5.7-8) | |
| 10-31  | 1-dimensional Vectors and Arrays | 9.1 - 9.5.3 |
| 11-2   | 1-dimensional Vectors and Arrays | |
| 11-7   | Multiple-dimensional Vectors and Arrays | 9.5.4 |
| 11-9   | Multiple-dimensional Vectors and Arrays | |
| 11-16  | Final Exam (1-3 pm) | |

Note: The instructor reserves the right to make changes to the tentative class schedule.