CS 302 – Accelerated Introduction to Computer Science Spring 2004, online Q&A session: 2:10-3:10, Thursday, EPS 348

Instructor: Brendan Mumey, mumey@coe.montana.edu *Office hours*: See www.cs.montana.edu/mumey/schedule.htm *Course home page*: www.cs.montana.edu/courses/current/302/ *Textbooks*:

- Introduction to Algorithms by Cormen, Leiserson, Rivest and Stein
- Data Abstraction and Problem Solving with Java by Carrano and Prichard
- Discrete Mathematics for Computing by Haggarty

Optional Textbook:

• *C++ for Java Programmers* by Weiss

Overview

The aim of this course is to accelerate the time it takes people with a degree in other disciplines to complete the undergraduate coursework necessary to begin work on a graduate computer science degree.

Material covered in CS 301/302

The concepts covered in the following courses are covered in CS 301/302:

- CS 160 Introduction to Computer Science
- CS 210 Object Oriented Programming Using C++
- CS 221 Computer Science I
- CS 222 Computer Science II
- CS 223 Computer Science III
- CS 324 Computer Science IV

In addition, those students wishing to pursue a Masters in Computer Science will be expected to have background included in the material found in the following courses:

- CS 330 Computer Organization & Architecture
- CS 350 Theory of Computation
- CS 351 Software Engineering
- CS 418 Operating Systems
- CS 440 Computer Networks
- CS 450 Compilers
- Math 181 Calculus & Analytical Geometry I
- Math 182 Calculus & Analytical Geometry II
- Math 221 Introduction to Matrix Theory

Disclaimer

Since traditionally this material is taught in six, four credit courses, students should expect that some of the material may be covered lightly or not at all in lectures. It is up to the student to be motivated enough to learn from their readings. The course goes extremely fast, and may at times call for a lot of time. It does not pretend to cover in the same amount of detail the concepts covered in the courses it replaces.

Course Outline

See course website

Grading Scheme

| Labs / homework | 80% |
|-----------------|-----|
| Midterm | 10% |
| Final | 10% |

Course Mailing List

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