CS 202.001 Computer Science II
University of Nevada, Las Vegas
Spring 08, call# 61253
TR 10:00 am - 11:15 am, TBE B 361

Course Objective

This course is continuation of CSC 135. Emphasis is on structured programming, Object Oriented programming techniques, and testing, especially larger programs. The course will cover elementary data structures and recursion. As a sidebar, the course will focus on various C++ issues.

Topics

1. Program Specification Design, and Analysis

2. Abstract Data Types and C++ Classes

3. Pointers and Dynamic Arrays

4. Linked Lists

5. Software Reuse with Templates

6. Stacks

7. Queues

8. Recursive Thinking

9. Software Reuse with Derived Classes

Professor

Dr. Wolfgang W. Bein
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Office: TBE B 372 E
Office Hours: Tuesday 4:00 pm - 5:30 pm, Wednesday 4:00 pm - 7:00 pm, Thursday 1:00 pm - 2:30 pm.

Course Page

http://www.cs.unlv.edu/∼bein/teaching/csc202/

Teaching Assistant

Deepthi Katta
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Office Hours: TBA

Textbook
Required:
Data Structures and Other Objects using C++; Michael Main Walter Savitch, Addison Wesley, 3rd Edition, ISBN: 032119716X.
This text is pedagogical and gently introduces the material.
Recommended:
Absolute C++; Walter Savitch, Addison Wesley, 3rd Edition, ISBN: 0321468937
This text is technical and gives much detail for what is needed in real-world C++ programming.

Examinations and Assignments
a number of projects. (40%)
three in-class tests (60%). (Two midterm tests totaling 35% and one final examination 25%.)
    Midterms: Tuesday, March 4, 10:00 am; Tuesday, April 17, 10:00 am; Final Exam: Tuesday, May 13, 10:10 am (cumulative, covers all material).

Compiler Requirement
You must obtain an engineering account (immediately after the first class meeting) if you do not have such an account already. All programming assignments must be written to run on machine `student.egr.unlv.edu` under the `g++` compiler. Assignments should be submitted by e-mail from that machine using your engineering account.