

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/>

Summary of Selected UNLV Policies:

Students Needing Assistance Due To Documented Disability: Learning Enhancement Services (LES) houses Disability Services, Tutoring Services, and Learning Strategies. If you have a documented disability that may require assistance, you will need to contact LES for coordination in your academic accommodations. LES is located in the Reynolds Student Services Complex, Suite 137. The phone number is 895-0866 or TDD 702-895-0652. You may also visit our website at: <http://www.unlv.edu/studentlife/les>.

UNLV Policy on Copyright: The University requires student to familiarize themselves and to follow copyright and fair use requirements. Students are individually and solely responsible for violations of copyright and fair use laws; see <http://www.unlv.edu/committees/copyright>.

UNLV Policy on Religious Holidays: Students must notify the professor of anticipated absences due to religious observances by the last day of late registration to arrange the opportunity to make up missed work.

UNLV Policy on Official (UNLV) Extracurricular Activity: Students who represent UNLV at any official extracurricular activity must provide official written notification to the instructor no less than one week prior to the missed class(es) to have the opportunity to make up missed work.

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.