Syllabus for CS 116

Objectives

The goal of this course is to introduce object oriented programming. At the end of this course the student should be able to use an object oriented approach to problem solving. The student should also be able to implement the algorithm in C++ programming language. The student will also be familiar with Microsoft Visual Studio 6 for C++.

Textbook

Richard Johnsonbaugh, Martin Kalin, Object-Oriented Programming in C++, 2nd Edition, Prentice Hall, 2000.
ISBN: 0-13-015885-2

Grading

(Tentative) Evaluation: (The grades may be curved if need be)

Quizzes and Participation	%20
Project	%20
Midterm Exam	%25
Final Exam	%35

Course Outline

Week	Topic
1	Introduction to computers and C++ programming
2	C++ basics
3	Procedural abstraction and functions
4	More functions
5	I/O steams, classes, and objects
6	Defining classes
7	Friendship and Polymorphism
8	Midterm
9	Namespaces
10	Collections
11	Recursion
12	Templates
13	Inheritance
14	Exception handling
15	Review

Assignments

There will be on-paper assignments as well as programming assignments (Lab.)
Late assignments will not be accepted.
Do not submit homeworks. Study/solve the homework problems to prepare for the homework quizzes (small written examinations to test your understanding of the subject). To fully prepare for quizzes study lecture notes, go through the examples in the text book.
In addition make sure that you go through the starred exercises (with solutions in the text's website) and understand them.
Typically, quiz questions will be similar to those of the homework questions.
Homework quizzes will be given at the final hour of each lecture day. There will be no make-up quizzes.

Office Hours

Room: 406
Tue: 13:30 – 15:30
Wed: 13:30 – 15:30

Class Webpage

cs116.allmer.de
All information will be presented here.

- Quiz including sample solution
- Student achievements
- Lecture slides

Questions regarding course content should be first posted in the forum.
Fellow students can gain bonuses by answering these questions.
If there is no answer and the question needs immediate attention:
MSN: jens@allmer.de