Summer 2011

CEG 241-01: Computer Programming II

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Department of Computer Science and Engineering
Wright State University

CEG241 Computer Programming II

SYLLABUS
Summer 2011
Drop dates: 7/1 no grade; 7/29 with a W

Time/Place
Section 1: 4:10-5:25pm, T, R Joshi 191

Instructor
Dr. Bin Wang, Professor, 491 Joshi Research Center
Tel: (937) 775-5115, E-mail: send email via Pilot
Office hours: 3:00-4:00pm T, R or by appointment

TA
Ray Kulkanek, 314 Russ Engineering Center
E-mail: kulhanek.5@wright.edu
Office hours: TBD

Lab
RC152A, 5:35-6:25pm, T, R

Prerequisites
CS240

Textbooks and Web Resources

It is neither possible, nor desirable, to discuss every nuance of the material covered in this course during our limited class time. Students should be aware that although we will discuss the most important materials in class, the textbook contains important facts that may not be discussed in class. Students should not only be able to discuss course concepts in detail, but they should also be able to demonstrate their mastery by applying these concepts on examinations to related problems with which they have no previous experience.

This course uses the JAVA programming language and the NetBeans IDE. The tools used in class and in the lab are freely available from the sources listed below. You will need the standard editions (SE) of the Java Development Kit (JDK) and Java Runtime Environment (JRE). You will also need the Netbeans Integrated Development Environment (IDE).

You can download the Integrated Development Environments JDK with NetBeans with the latest version of Java from http://www.oracle.com/technetwork/java/javase/downloads/jdk-netbeans-jsp-142931.html

See www.pearsonhighered.com/liang for answers to review questions, solutions to even-numbered programming exercises, source code for the book examples, self tests, errata, etc.

Webpage
http://pilot.wright.edu

News Group
Check daily Pilot for announcements, assignments, questions and answers
Course Objectives

This course is a continuation of CS240. The emphasis is on data abstraction and software engineering to solve more complex problems using object oriented programming. Students must register for both lecture and one laboratory section.

Course Evaluation

A student's demonstration of their ability to discuss issues, solve problems, and demonstrate mastery of programming and introductory computer science will be the underlying metric for the determination of a student's overall grade in this course. Students will be provided the opportunity to demonstrate their mastery through examinations, weekly laboratory assignments, and several programming projects. The overall course grade will be determined as follows:

Methods: \( \% \) of final grade

1. Programming projects: 400 pts. [4 @ 100 pts.]
2. Lab assignments: 160 pts. [8 @ 20 pts.]
4. Final exam: 300 pts. (8/18, 4:10-6:10pm)

Total 1060

Grading scale:

90-100 A
80-89.9 B
70-79.9 C
60-69.9 D
Below 60 F

The instructor reserves the right to fail any student who does not attain both an overall passing grade (70%+) in the programming projects.

Programming Projects and Laboratory Assignments

The instructor will provide a number of opportunities for students to develop their mastery of the subject throughout the course through graded assignments. Laboratory assignments are subject to changes specified by the TA during the laboratory period. All students are required to attend their scheduled laboratory each week. Assignments must compile to receive credit. Programs that do not compile will not be graded. All programs must have comments at the top that identify the student, the course, and the project type/number.

Late Lab Assignments

Although many assignments can be completed during the lab period in which they are assigned, they are not "due" until the following lab period. There is no penalty for turning in a laboratory during the following lab period. However, that is the final due date. Assignments cannot be turned-in/graded after the subsequent lab period. This deadline cannot be waived by the TA. The course instructor may waive the late penalty for documented emergencies.

Late Projects

Points will be deducted for projects submitted late. The deduction will be 10% of the total possible points per 24 hours (or portion thereof) elapsed from the moment that the project was due. No points will be awarded for projects that are more than three days late. Begin your projects immediately to guarantee that you have time to get help if necessary and complete them on-time. Deadlines will only be extended for documented emergencies or pre-arranged special needs. Poor time management,
corrupt files, or network outages will not be considered a sufficient excuse to extend this deadline. Important note: computers go down, networks fail, and data gets destroyed. Plan ahead. Back up your work. Start early!

Course requirements for other courses are NOT a valid reason for special consideration.

**Exams**

Examinations will occur at the normally scheduled class time and location unless announced otherwise in class. The final examination is cumulative. Students may use one (two-sided) 8.5"x11" page of notes on the examinations.

**Academic Integrity**

Students are members of a learning community committed to the search for knowledge and truth. Essential to that search is the faithful adherence by all students to the highest standards of honesty and integrity. A grade of “0” or “F” will be assigned to examinations or assignments on which cheating, plagiarism or any other form of academic dishonesty is committed or determined to have occurred. For the detail, see Wright State University Student Handbook under “Academic Dishonesty”.

Students are encouraged to get together in small study groups to discuss the course topics and ungraded homework problems. However, students must work on all graded course assignments and examinations on an individual basis.

*What IS allowed:* Students are allowed to discuss the general requirements of lab assignments to make certain that they understand the problem and its goal. Students are allowed to ask another student (who has completed the assignment) for (brief) help with a syntax error or other minor problem that does not require extensive exploration of the solution. If another student asks you for help debugging AFTER you have finished the lab assignment, then you may help them briefly, but you may NOT show them your solution. Students may go to their TA, or the instructor for more detailed help. If you work with other student in an allowed manner, you are required to acknowledge the collaboration and its extent in the lab assignment's comments. This will allow the instructor to comment on and correct the degree of collaboration if necessary. Unacknowledged collaboration will be considered a violation of course policy.

*What IS NOT allowed:* Students may NOT discuss, look at, or debug other student's projects. Help on projects should come only from the course instructor and the CS helproom. Students may NOT work together on lab assignments - students can discuss the lab and/or provide certain help with debugging (see above) but may NOT work together for any extended period of time. Students may NOT use code created by other students or during previous offerings of the course. Students may NOT look at code created by another student (even to debug) until after they have completed the entire lab assignment themselves. Students absolutely may NOT turn in someone else's solution with simple cosmetic changes (say, changed variable names) to the solution -- this is a gross break of academic integrity and will result in a failing grade for the course. **You are responsible for ensuring that other students do not have access to your work** - do not give another student access to your files, do not leave printouts in the recycling bin or printer, do not leave your workstation unattended, etc. If you suspect that your work has been compromised notify your instructor immediately.

**Absences**

Class attendance will not be a direct factor in your grade but will strongly effect the
quality of your education. Students who miss class are responsible for the material or announcements presented. Any extenuating circumstances which impact on your participation in the course should be discussed with your instructor as soon as those circumstances are known. Make-ups for examinations may be arranged ONLY if a student's absence is caused by documented illness or documented personal emergency. It is the student's responsibility to provide a written explanation (including supporting evidence) to the instructor in a timely manner. Students registering after the term begins are responsible for all missed assignments and cannot expect that due dates will be altered. If you miss a lecture or plan to miss a lecture, you may be able to make arrangements to sit in on the same lecture in another concurrent offering of the course.

Additional Needs

Students with disabilities or any additional needs are encouraged to set up an appointment at their convenience to discuss any classroom accommodations that may be necessary.