COMPUTER SCIENCE

Fall 2016
CS 2433: C/C++ Programming
Course Syllabus
https://online.okstate.edu

Lecture Hours
Tuesday and Thursday 2:00pm to 3:15pm
MSCS 108

Instructor
Richard Churchill,
MSCS 536, 405-334-7674, richard.l.churchill@okstate.edu.
The best method of contact is by email, or by coming by my office. For email contact, I am required to check email daily on weekdays, but usually have it up and running. Due to the volume of email, allow at least 24 hours for a response – so ask early. Also, copy the T.A. when emailing questions to me, and copy me when emailing questions to the T.A.

Teaching Assistant (TA)
Abhishek Yanduru,
MSCS ?, no phone, yanduru@okstatemail.okstate.edu.

Office Hours
During scheduled office hours, the instructor is in MSCS 536, or otherwise in MSCS and soon to return.

	Monday	Tuesday	Wednesday	Thursday	Friday
Instructor	3:30 -5:00 PM		3:30 – 5:00 PM	3:30 – 5:00 PM	
T.A.	N/A	TBD	TBD	TBD	TBD

Also available by appointment.

Course description
C/C++ programming language types, operators, expressions, control flow, functions, structures, pointers, arrays, UNIX interface. Basic object-oriented programing using C++ and the related language syntax and functionality.

Course objectives
By the end of the course, all students should be able to
- write good C/C++ code,
- use good programming style when writing code,
- design a programming solution to problems.

Course Prerequisites
CS 1113: Computer Science I

Course Website
https://online.okstate.edu

All course materials except the textbooks, but including syllabus, course schedule, lecture notes, example codes, homework assignments, solutions, and grades, will be available on the course D2L website.

Textbooks
1) https://zybooks.zyante.com/
The access code to register is OUStillwaterCS2433ChurchillFall2016
2) C Programming Language by K&R (optional, but recommended)
- Book by initial developers of C

3) Absolute C++ by Walter Savitch, sixth edition (optional)
- 4th or 5th editions are okay

4) For the more masochistic but determined students, the following may be of interest, as they are "exhaustive" references.
- C Primer Plus, Sixth Edition, Stephen Prata.
- C++ Primer Plus, Sixth Edition, Stephen Prata

If you wish to purchase any of the optional texts, I suggest using addall.com. This is a site that searches up to 32 online book retailers and lists all sites selling the book in question by price, with links to the retailer sites and item pages. I have no business affiliation with addall.com, other than being a customer, so I am not trying to sell you anything, other than the idea that you can get books for less than you think, if you know how to look.

Assignments

Zyante's Activities	5%
In-class Participation	5%
Programming Assignments (12) Note: Not all assignments have the same weight	70%
Exam1	5%
Exam2	5%
Final Exam	10%

Evaluation
Grading is absolute (not a curve), so every student can get an A or an F.

A: >= 90%, B: >= 80%, C: >= 70%, D: >= 60%, F: < 60%

Student Expectations
To do well in the class, students are expected to
- attend class and participate in group work,

- read the posted material (chapters and notes) before class,
- review the lecture notes after class,
- ask for help if any of the material covered in class is not clear,
- complete the homework assignments on time,
- enjoy the course and learn about C/C++,
- have fun programming.

Students are also expected to regularly check their e-mails and the course website for announcements about the course.

Instructor Expectations
You can expect the instructor to

- come to class prepared,
- be available for help,
- provide a good classroom environment for learning,
- be open to suggestions and feedback.

Academic Workload Policy: This is a programming-intensive class and students are expected to spend about 6 hours per week to understand the material and to do well.

E-mail Policy: E-mail is the preferred communication medium. Please add *"**CS 2433**"* to the subject line for all e-mail communications.

Computer Policy: Computers and other electronic devices may be used **ONLY** for legitimate classroom purposes, such as taking notes, downloading course materials, or working on an in-class activity. E-mail, instant messaging, surfing the Internet, reading the news, or playing games are not considered legitimate classroom purposes; such inappropriate computer use is distracting to those seated around you and is unprofessional.

Attendance Policy: Attendance is not required but highly recommended and expected. Students who miss a class are responsible to contact the instructor to catch up. Part of your grade is based on attendance and participation in class.

Penalties for late work: 50% penalty of assigned grade if one day late. For example, if the assignment was worth 10 points and you received 5 points and submitted one day late, your final grade for the homework is 2.5 points. No make-up exam will be scheduled. If you are going to miss an exam or homework, contact the instructor in advance. Exceptions can be made if a provably serious family or personal emergency arises.

Grade questions: If you have any questions regarding the grading of your programming homeworks, exams, and other deliverables, you must contact the instructor within **ONE week** after the date the deliverable was graded and posted on the course website (exception is the final exam).

Extra Credit: There might be some extra credit problems for some assignments. The extra credit problems will be at least as hard as the homework problems.

Incomplete: An incomplete will not be given, except if a serious family or personal emergency arises. A written excuse with a legitimately verifiable reason must be provided.

Academic Dishonesty: Scholastic conduct must be acceptable, that is, students are expected to do their own work. Discussion of homework assignments is encouraged, but students must work independently. Sharing of code is strictly forbidden. Violations of academic integrity rules will result in significant punishments, up to and including a final course grade of an F! (F-shriek, indicating an academic integrity violation on your permanent transcript).