

	<b>C Programming: Absolute Beginner's Guide</b> , Third Edition,
<b>Textbook:</b>	Greg Perry and Dean Miller, ISBN-10 0789751984, ISBN-13 9780789751980
<b>Materials required:</b>	EWU Canvas, Code Blocks Integrated Development Environment

# CSCD 255

## C for Engineers

### Winter 2015

<b>Instructor:</b>	Timothy Rolfe
<b>Office:</b>	305 CEB
<b>Office Hours:</b>	M - R 1:00 – 1:50 pm other times, by appointment (please email confirmation)
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### **COURSE GOAL:**

This course introduces the C programming language. The intended audience is students who have not had any programming experience.

Exams will be on Wednesdays — see the course schedule. The other Wednesdays will be lab sessions. Attendance is recommended but not required. The instructor will be available in the lab during the lab sessions.

## TENTATIVE TOPIC SCHEDULE:

An APPROXIMATE sequence of the topics that we will cover this quarter, and their correspondence to the textbook (chapters in the text in parentheses)

Week 1 & 2	<b>Overview of C:</b> variables (5-6), constants (7), character I/O (4, 8) <b>Types Operators, and Expressions:</b> data types and sizes, type conversions (7), bitwise operators (lecture)
Week 2 & 3	<b>Functions and Program Structure:</b> basics, external variables (30-32)
Week 4	<b>Control flow:</b> if/else (11), while, do (14), for (15), switch (17), conditional operator (13), relational and logical operators (11-12)
<b>EXAM 1:</b>	All topics in lecture and on assignments
Week 5 & 6	<b>Arrays:</b> basics (21-23)
Week 7 & 8	<b>Pointers:</b> addresses, pointer arithmetic, memory allocation (24-26)
<b>EXAM 2:</b>	Will focus on topics from second part of the course
Week 9 & 10	File I/O (28-29), Structures (27)
	Extra Topics depending on Time
<b>Final Exam</b>	Comprehensive Wednesday, March 18, 2015 from Noon to 2:00 p.m.

## GRADING:

Grading Area	Percentage of Class Grade
Assignments	35%
Labs	20%
Quizzes	10%
Exams	20%
Final Exam	15%

## Numerical percentage is calculated based on the following scale.

Assignments	35%	total points earned on all assignments / total assignment points * .35
Labs	20%	total points earned on all labs /total lab points * .20
Quizzes	10%	total points earned on all quizzes/total quiz points * .10
Exams	20%	total points earned on all exams / total exam points * .20
Final	15%	total points earned on the final / 100 * .15

## After summing the percentages, the conversion to grade point system is as follows

95 - 100%	4.0
62 - 94%	subtract 0.1 grade point for each percentage point less than 95
60 - 62%	0.7
0 - 59%	0.0

Some specific conversions: 95/4.0, 90/3.5, 85/3.0, 80/2.5, 75/2.0, 70/1.5, 65/1.0

The instructor retains the right to increase grades above this formula.

## GENERAL POLICIES:

- **Americans with Disabilities Act** - If there is any student in this class who has special needs for accommodation, please feel free to discuss the matter with the instructor. Students requiring accommodations need to contact Disability Support Services (DSS). It can be reached at (509) 359-6871. The DSS Office is located in TAW 124.
- **Lectures** - You are expected to attend every class session. Please do not use my office hours as a substitute for attending lectures.
- **Preparation** - Examples given in class and by the authors should be confirmed by the student at home to guarantee complete understanding of the subject.
- **Homework** - Homework assignments will be MOSTLY in the form of programming projects. Homework is due on the appropriate due date and time. **I will NOT accept late homework.**
- **Exams** - These will be based on (1) classroom lecture/activities, and (2) homework - (programming projects and anything else assigned). No makeup exams will be negotiated after an exam begins. Makeups may only be arranged in advance, in the most extreme circumstances.
- **Participation and Attendance** - You are not graded on participation and attendance directly. However, at quarter's end these items can positively influence your final grade.

- **Professional Behavior.** You are expected to act in accordance with the department's [Code of Professional Conduct for Students](#). This means cheating will not be tolerated. If you ever receive aid on an assignment, be sure you document where the aid came from. Students who copy another's program/work may be subject to severe disciplinary action, which may include a course grade of 0.0 and a written statement in his/her permanent record.
- **EWU Academic Policy/Cheating Policy:** You are allowed to discuss your thoughts with and help other classmates; however, you must do your own work, meaning ALL work should be your own. Plagiarism and cheating **WILL NOT BE TOLERATED**. Plagiarism includes using someone else' programs or parts of programs as your own; copying another person's work; handing in another person's work for your own. If you work with someone else to understand the content, it is important that each person does the assignment separately. Should any of your work be duplicated from another person or any other source, you will be asked to leave the class and not return. Your final grade will be 0.0. Any infractions will be handled in accordance with the academic integrity policy of Eastern Washington University and Washington State civil law. The best way for you to learn programming is to apply it to your own work.  
**See Plagiarism/cheating. (WAC 132J-125-200)**

**Long version:**

- Any student who, for the purpose of fulfilling or partially fulfilling any assignment or task required by the faculty as part of the student's program of instruction, shall commit plagiarism or otherwise knowingly tender any work product that the student falsely represents to the faculty as the student's work product, in whole or in part, shall be subject to discipline.
- Any student, who knowingly aids or abets the accomplishment of cheating, as defined in subsection (1) of this section, shall also be subject to discipline.

**Short Version:** You do it - you fail.

It's not just a good idea, IT'S THE LAW!

- **Cell Phone Policy:** You are expected to turn your ringer off during class time. If you need to take a call please take the conversation outside of the classroom. If your cell phone goes off during class the instructor has the right to answer your phone.
- **Incomplete** - Incompletes will NOT be granted except under extreme circumstances. They will not be granted in cases where you were simply unable to keep up with the workload. Requests for an incomplete must be submitted prior to finals week and is subject to the following catalog restriction: "PASSING work/progress (2.0 or above) must be demonstrated through three weeks prior to the end of the term."
- **Disclaimer** - The instructor reserves the right to make changes to these policies as necessary. You will ALWAYS be informed of these changes in class.