**Course Objective**

This course is an introduction to computer programming in C and its use in solving problems. This course is intended primarily for students in technical majors, and includes basic instruction in programming techniques, algorithms, and standard Unix software development tools and utilities.

Credit may not be received for both CpSc 101 and CpSc 111.

Corequisites for this course: CpSc 111 lab. 3 Credit hours
2 Lecture hours

**Summer 2018 Book**

<table>
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<tr>
<th>Required</th>
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<tr>
<td><em>Programming in C, 4th Edition</em></td>
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<tr>
<td>Stephen G. Kochan</td>
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<td>Pearson Publishers</td>
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Any good beginner C programming source could be used as a reference for this class. However, reference will be frequently made to figures, diagrams, programs & snippets of code, and exercises found in the Kochan textbook. You are not required to bring the textbook to class, although some students find it useful to do so.
Tentative Topical Outline

- programming in C, definitions, syntax
- types, variables, arithmetic operators, precedence
- loops
- conditional statements
- arrays and strings
- functions, multi-module programs, makefiles
- pointers
- file input/output
- structs and linked lists

Attendance

Studies have found that the single most important factor that contributes to success in a course is class attendance. With this class, like others, each lecture builds upon preceding lectures. Missing even a single class can make it difficult to keep up with the course material. Regular and punctual attendance at all class sessions is required and expected. Roll will be taken daily. If you are late, you may not get a chance to sign in and will be counted as absent.

Being absent, excused or not, does not change the responsibility for assigned work or material covered during the class. For University-sponsored events, students must provide written notice prior to the event. For all other excused absences, students should provide to the instructor as soon as possible, written documentation from an acceptable outside source (e.g., school administrator or physician).

Attendance is mandatory on exam days. No make-up exams or quizzes will be given. If you arrive late on the day of a quiz or exam, you will be allowed to participate, but will not be given additional time to compensate for being tardy.

If I am more than ten (10) minutes late, you should assume that I am dealing with an emergency and will not make it to class. Check your email in those circumstances for further explanation.

Attendance at lab is also required.

Laptop Policy

Laptops are required for this class. There may be in-class exercises on your laptop for which you will not get points if you do not have your laptop. The tests and exams will require a laptop as well.

Additionally, there are rules with regards to electronics in class that you are required to observe not only as a courtesy to your classmates but also to assure that you have the best opportunity for a positive learning experience:

1. Laptop speakers and alarms should be set to mute or off before the start of class.
2. All Facebook, Instant Messengers, etc. MUST be turned off during class. If you engage in unauthorized communication or entertainment during class (e.g. surfing the web, instant messaging, playing games, etc.), you will be marked absent. If this activity occurs during an exam or quiz, it constitutes academic dishonesty (see following).
3. Cell phones and pagers are to be turned OFF and will not be used under any circumstance during the class or lab period.

The use of earphones for anything, such as an iPod, is prohibited during class.
**ACADEMIC INTEGRITY**

“As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a “high seminary of learning.” Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.”

Academic integrity is taken very seriously. The University’s Academic Integrity Policy is [here](https://example.com). Unless otherwise instructed, you are expected to work independently on projects and labs. The instructor may use automated tools to look for similarities in code which could indicate plagiarism. Instances of copying or sharing, or cheating in any way will result in an academic dishonesty charge, which can lead to an F in the course or expulsion from the university. Each student is responsible for protecting his or her files and work from access by others. Work that is essentially the same and submitted without proper attribution is considered to be a violation of academic dishonesty policies by all those submitting the work, regardless of who actually did the work.

For this course, it **is** considered cheating to do any of the following:

- discuss in detail the C code in your program with another student (or anyone other than the instructor or lab TA)
- working on assignments (coding) in groups
- showing or sharing the C code in your program with another student (other than the instructor or lab TAs)
- use C code obtained from another student, or any other unauthorized source, either modified or unmodified (each student is responsible for protecting his or her files from access by others)
- use re-engineering tools
- submit work of others, from the Internet or any other source, even if attributing the work to others
- use unauthorized aids such as the textbook or other individuals on exercises, quizzes, or exams

Publicly available sources for code or other material, in small amounts, may be freely used if appropriately attributed. A good rule of thumb: when in doubt about whether the use of small snippets of code not your own in a programming assignment or lab assignment is allowed, first ask the instructor or lab TA.

**ASSIGMENTS (30%)**

There will be several programming assignments given during the semester. **Unless otherwise explicitly stated, assignments are to be your own individual, unaided (except by the instructor or the lab TA) work, and not to be shared with anyone.**

Questions regarding assignments should be posted on the Piazza 111 web page (be sure to choose the category corresponding to assignments). Most emailed questions will likely not be responded to. Please get started early on assignments, and take advantage of the TA’s office hours that are offered in addition to other available office hours.

Assignments are to be turned in no later than 11:59 pm on the date specified on the assignment handout. **Late submissions will not be accepted and will receive a grade of zero (0). It is best to complete and submit an assignment early rather than risk late-minute complications.** It is the responsibility of the student to verify the submission of correct files for any assignment (lecture assignment or lab assignment). **No emailed files will be accepted and no extension will be given if incorrect files have been submitted.**

All submitted programs (lecture assignments AND labs) **MUST WORK ON THE MACHINES ON THE SCHOOL OF COMPUTING network.**

**Lab (10%)**

The labs meet on M, T, & Th from 12:00 – 1:50 in room 110D McAdams. The lab schedule is located at: [https://www.cs.clemson.edu/course/cpsc111/](https://www.cs.clemson.edu/course/cpsc111/)

**Unless otherwise instructed by your lab TA, attendance at lab is expected and required.**
**Tests (2 at 15% each)**

There will be two tests during the semester, the first to be given around the end of May, the second around the middle of June.

Attendance is mandatory on exam days. **A missed exam will receive a grade of zero (0).** Once the student who finishes first hands in his/her exam and leaves, no more exams will be issued.

**Final Exam (20%)**

The final exam will be cumulative and is required of all students.

**Quizzes (10%)**

There will be a few, probably unannounced, quizzes given in class.

**Grading**

Performance in this course will be evaluated by homework assignments, lab, quizzes, and exams, computed as follows:

<table>
<thead>
<tr>
<th>Grading</th>
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<tbody>
<tr>
<td>Programming Assignments</td>
<td>30%</td>
</tr>
<tr>
<td>Lab</td>
<td>10%</td>
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<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Tests (2)</td>
<td>15% each</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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**Grade Appeals**

No grade will be discussed with students within 24 hours after the graded work has been returned to students. Any grade challenges regarding assignments, quizzes, or exams must be emailed to the instructor, with detailed justifications, **within one week of the date the grades are available.** After the one week period, no work will be re-graded.

Note: It is possible that items for which points should have been deducted on any given assignment may have been missed during the initial grading of the assignment. Those missed deductions may show up on a re-evaluated assignment. Also, some gradable items may be focused on more strictly on some assignments than others, so it may be the case that points that were not deducted on one assignment may be deducted on another assignment.
SYLLABUS MODIFICATIONS

Lecture topics are subject to change. The course syllabus is a general plan for the course. Deviations announced to the class by the instructor may be necessary. Deviations will be announced verbally in class and posted via an announcement on Canvas.

Accessibility Statement

Clemson University values the diversity of our student body as a strength and a critical component of our dynamic community. Students with disabilities or temporary injuries/conditions may require accommodations due to barriers in the structure of facilities, course design, technology used for curricular purposes, or other campus resources. Students who experience a barrier to full access to this class should let the professor know, and make an appointment to meet with a staff member in Student Accessibility Services as soon as possible. You can make an appointment by calling 864-656-6848, by emailing studentaccess@lists.clemson.edu, or by visiting Suite 239 in the Academic Success Center building. Appointments are strongly encouraged – drop-ins will be seen if at all possible, but there could be a significant wait due to scheduled appointments. Students who receive Academic Access Letters are strongly encouraged to request, obtain and present these to their professors as early in the semester as possible so that accommodations can be made in a timely manner. It is the student’s responsibility to follow this process each semester. You can access further information here: http://www.clemson.edu/campus-life/campus-services/sds/.

Title IX Statement

Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran’s status, genetic information or protected activity in employment, educational programs and activities, admissions and financial aid.

This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. This policy is located at http://www.clemson.edu/campus-life/campus-services/access/title-ix/. Mr. Jerry Knighton is the Clemson University Title IX Coordinator. He also is the Director of Access and Equity. His office is located at 110 Holtzendorff Hall, 864.656.3184 (voice) or 864.656.0899 (TDD).