GRAYSON COLLEGE
COSC1336

Course Information
COSC1336 Programming Fundamentals I

Please Note: Due to extenuating circumstances, including public health issues, course and testing delivery methods, instructional schedules, housing contracts, campus procedures and/or operating hours may be altered, interrupted and/or ceased for a limited or extended period of time. Such changes will be posted on the College website and on your Canvas course.

Professor Contact Information

Deena White   903-463-8664   whited@grayson.edu

Office Hours: Please send email or Canvas message to request an appointment.

Course Pre-requisites, Co-requisites, and/or Other Restrictions
Computer literacy is assumed.

Course Description
COSC 1336. Programming Fundamentals I (3-1-3) (Formerly COSC1318)
Introduces the fundamental concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. (R,M)
COSC1336 is part of the curriculum leading to an associate degree in the computer programming/software discipline. Inherent in COSC1336 is the development of thinking skills and the application of reading, math, and logic skills.
The Texas Success Initiative (TSI) is required by Texas law to ensure students enrolled in Texas public colleges possess the academic skills needed to perform effectively in college-level course work. TSI includes a testing component designed to identify and provide diagnostic information about the reading, mathematics and writing skills of each student. This course has been identified as a *Reading and Math Intensive* course for the purposes of TSI.

Outline of Topics Covered
How to create a C++ program
Coding conventions and standards
Variables, constants, and identifiers
Relational and logical operators and expressions
Decision structures
Loops and repetition
Functions
File handling
Arrays

Student Learning Outcomes:
Describe how data are represented, manipulated, and stored in a computer.

Categorize different programming languages and their uses.
Understand and use the fundamental concepts of data types, structured programming, algorithmic design, and user interface design.
Demonstrate a fundamental understanding of software development methodologies, including modular design, pseudo code, flowcharting, structure charts, data types, control structures, functions, and arrays.
Develop projects that utilize logical algorithms from specifications and requirements statements.
Demonstrate appropriate design, coding, testing, and documenting of computer programs that implement project specifications and requirements.
Apply computer programming concepts to new problems or situations.

Required Textbooks (ISBN # included) and Materials
1. *A cloth face coving is* **REQUIRED** *in class and in all areas of the school. Please observe social distancing practices.*
2. **Textbook:** *Starting Out with C: Early Objects* Gaddis Walters & Mulganda, 10th Edition. IBSN 9780135235003   Please note this is not the brief edition. I do NOT recommend using an e-book (digital) version.
3. **Notebook:** You will need a 3-ring binder by the second week of class.
4. **Scantrons:** 882-ES as required by instructor (1 for final exam)
5. **USB flash drive.** You will NOT be permitted to store material on the classroom computers.

Academic Calendar
In case of inclement weather, emergency closings, or other unforeseen disruptions to scheduled classes, student must log onto their Canvas accounts for directions on where or how to continue their coursework.
Please consult Canvas modules for Calendar

Methods of Evaluation
Grading

A*	90-100%
B	80-89%
C	70-79%
D	65-69%
F	Less than 65%
Exams: 1 dropped (Objective)	30% of total
Lab Assignments	30% of total
Final Exam (Comprehensive)	25% of total
Homework and Quizzes	15% of total

A grade of A requires completion of all assignments as well as an A average in your work.

Grades and feedback be posted on Canvas. If your final attendance falls below 85% one letter grade will be deducted from your final grade.

Methods of Instruction
For this fall, the first day of class will be required for all students. After the first day the class will be split into two groups – one group attending required class on Mondays and the other on Wednesdays. Friday lab time is open for anyone.
Class time will be used for quizzes, exams, lecture, reading, instructor guided hands-on practice, and self paced laboratory time for one on one instruction and completion of the required lab assignments.
Most classes require at least 8 hours a week in class attendance and self-paced lab time. This does not include time spent on homework or study.
Since most of your assignments must be submitted on-line, you should allow yourself ample time to submit the assignment before the due date. *An excuse of "I couldn't access the computer to turn in my assignment because . . ." will not gain you any sympathy or extra time.* No assignments, exams, quizzes or postings are accepted late for any reason.
You may not "test out" of this class. If you feel that the course level is below your present abilities, please contact your instructor during the first week of class so you can be enrolled in a more challenging computer science course.

Course & Instructor Policies No late work is accepted for any reason, including problems with your computer, Internet access or Campus problems. Turn in your work ahead of schedule to avoid any problems. Student athletes and students missing classes for school sponsored activities are **REQUIRED** to report absences in advance and make arrangements to turn in all work before the due date, take any missed exams in advance, and obtain class notes from a classmate.
Any assignment or discussion posting that does not use proper capitalization, punctuation, or that uses 'texting' type grammar will be given a grade of 0. Any emails that do not use proper capitalization, punctuation, or that use 'texting' type grammar will not be answered. You are in college and expected to pay attention to your grammar and spelling in all your school work. If you do assignments from your cell phone, make sure you know where the 'shift' key is!
No cell phones are permitted during lecture. Computer monitors should be turned OFF.
> Motivation and effort on the part of the student determines success in class. Here are some guidelines and suggestions for you to follow if you are a new student and want to succeed:

- Prepare a calendar which lists all test and homework assignment due dates for all classes and consult this calendar daily.
- Prepare and print your assignments at least two days BEFORE they are due.
- Review your work before it is due to make sure you haven't left out any answers.
- Ask questions! If you don't understand something, chances are someone else doesn't either and they're too scared to ask!
- Turn in all work on time.
- **Read the textbook**. **Researching items on the Internet is NOT recommended in this class**.
- Remember that what you get out of college is directly proportional to the amount of time and effort you put into college.

Class Attendance
Academic success is closely associated with regular classroom attendance and course participation. All successful students, whether on campus or online, are expected to be highly self-motivated. All students are required to participate in courses regularly and are obliged to participate in class activities and complete and submit assignments following their professors' instructions. Students taking courses during compressed semester time frames such as mini-mester, summer sessions, and mid-semester should plan to spend significantly more time per week on the course. Responsibility for work missed because of illness or school business is placed upon the student. More than two (2) absences are considered to be excessive. If your final attendance grade is less than 85% I will deduct one letter grade from your final score. Tardiness does affect attendance.
Students' eligibility to receive financial aid or live in a College dormitory can be affected by withdrawal from courses. When withdrawal occurs, any tuition refund would be made in accordance with state regulations.
Student athletes and students missing classes for school sponsored activities are **REQUIRED** to report absences in advance and make arrangements to turn in all work before the due date, take any missed exams in advance, and obtain class notes from a classmate.
Attendance will be calculated by attendance at class sessions and/or submission of required assignments by due date.
Student with symptoms of COVID19 should **NOT** attend class. Report your absence to your instructor and the school immediately. Your instructor email is whited@grayson.edu and the Covid exposure form can be found at
https://grayson.edu/campus-life/campus-police/Coronavirus%20Info/Exposure%20Form.html
Students who are late for class will not be permitted to begin any quiz or test in progress.

THE CASE OF THE "DISAPPEARING STUDENT":
If you find yourself in over your head, please observe the drop dates on the course calendar. You may drop this course by contacting your instructor via Canvas message or email. Please do not "disappear" for two or three weeks and suddenly "reappear" and ask to be given special permission to make up the required work. If you are going to be out of town for any length of time during the semester, let your instructor know via e-mail or in person.

Student Conduct & Discipline
Netiquette Guidelines:
- **Identify yourself:**
    - Begin messages with a salutation and end them with your name.
    - Use a signature (a footer with your identifying information) at the end of a message
- **Include a subject line.** Give a descriptive phrase in the subject line of the message header that tells the topic of the message (not just "Hi, there!").
- **Avoid sarcasm.** People who don't know you may misinterpret its meaning.
- **Respect others' privacy.** Do not quote or forward personal email without the original author's permission.
- **Acknowledge and return messages promptly.**
- **Copy with caution.** Don't copy everyone you know on each message.

- **No spam (a.k.a. junk mail).** Don't contribute to worthless information on the Internet by sending or responding to mass postings of chain letters, rumors, etc.
- **Be concise.** Keep messages concise—about one screen, as a rule of thumb.
- **Use appropriate language:**
  - Avoid coarse, rough, or rude language.
  - Observe good grammar and spelling.
- **Use appropriate emoticons (emotion icons) to help convey meaning.** Use "smiley's" or punctuation such as :-) to convey emotions. See website list of emoticons at http://netlingo.com/smiley.cfm and http://www.robelle.com/smugbook/smiley.html.
- **Use appropriate intensifiers to help convey meaning.**
  - Avoid "flaming" (online "screaming") or sentences typed in all caps.
  - Use asterisks surrounding words to indicate italics used for emphasis (*at last*).
  - Use words in brackets, such as (grin), to show a state of mind.
  - Use common acronyms (e.g., LOL for "laugh out loud").

Please communicate with your instructor via Canvas message. I attempt to read and return messages daily.

Attendance will be taken each face-to-face class meetings and during any required labs.

Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance and an attitude that seeks to take full advantage of the educational opportunity.

You are personally responsible for your conduct and achievement in this course. Please be aware of this statement and philosophy and plan accordingly.

No late work is accepted in this class, so please make sure you begin and submit any assignments in plenty of time to deal with any hardware, Internet, or Canvas outages.

Academic Integrity

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the college's policy on plagiarism (see GC Student Handbook for details). Grayson College subscribes to turnitin.com, which allows faculty to search the web and identify plagiarized material.

Plagiarism is a form of scholastic dishonesty involving the theft of or fraudulent representation of someone else's ideas or words as the student's original work. Plagiarism can be intentional/deliberate or unintentional/accidental. Unintentional/Accidental plagiarism may include minor instances where an attempt to acknowledge the source exists but is incorrect or

insufficient. Deliberate/Intentional plagiarism violates a student's academic integrity and exists in the following forms:

- **Turning in someone else's work as the student's own** (such as buying a paper and submitting it, exchanging papers or collaborating on a paper with someone else without permission, or paying someone else to write or translate a paper)
- Recycling in whole or in part previously submitted or published work or concurrently submitting the same written work where the expectation for current original work exists, including agreeing to write or sell one's own work to someone else
- Quoting or copy/pasting phrases of three words or more from someone else without citation, • Paraphrasing ideas without citation or paraphrasing incompletely, with or without correct citation, where the material too closely matches the wording or structure of the original
- Submitting an assignment with a majority of quoted or paraphrased material from other sources
- Copying images or media and inserting them into a presentation or video without citation,
- Using copyrighted soundtracks or video and inserting them into a presentation or video without citation
- Giving incorrect or nonexistent source information or inventing source information
- Performing a copyrighted piece of music in a public setting without permission
- Composing music based heavily on someone else's musical composition.

Any instance of scholastic dishonesty will result in an F in this course and possible referral to the disciplinary committee.

Student Responsibility

You have already made the decision to go to college; now the follow-up decisions on whether to commit to doing the work could very well determine whether you end up working at a good paying job in a field you enjoy or working at minimum wage for the rest of your life. Education involves a partnership that requires both students and instructors to do their parts. By entering into this partnership, you have a responsibility to show up for class, do the assignments and reading, be engaged and pay attention in class, follow directions, and put your best effort into it. You will get out of your experience here exactly what you put into it – nothing more and nothing less.

Title IX

GC policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on Title IX, please contact:

- Dr. Molly M. Harris, Title IX Coordinator (903)463-8714
- Ms. Logan Maxwell, Title IX Deputy Coordinator - South Campus (903) 415-2646
- Mr. Mike McBrayer, Title IX Deputy Coordinator - Main Campus (903) 463-8753
- Website: http://www.grayson.edu/campus-life/campus-police/title-ix-policies.html

- GC Police Department: (903) 463-8777- Main Campus) (903-415-2501 - South Campus)
- GC Counseling Center: (903) 463-8730
- For Any On-campus Emergencies: 911

Grayson College is not responsible for illness/injury that occurs during the normal course of classroom/lab/clinical experiences.
These descriptions and timelines are subject to change at the discretion of the Professor.
Grayson College campus-wide student policies may be found on our Current Student Page on our website: http://grayson.edu/current-students/index.html