

GRAYSON COLLEGE

Course Syllabus

Course Information

COSC 2336 – Programming Fundamentals III

Type of Course/Delivery Mode/Testing Requirements

This is a face-to-face course, with lecture 3 hrs/wk on campus, 3 hrs/wk for lab assignments, and 1 hr/wk via internet assignments. Testing will be conducted on campus in class.

Professor Contact Information

Instructor Name: Jim Johnson
E-mail: johnsonj@grayson.edu
Office Phone: 903-463-8671
Office Hours: MW 8-9:30 AM and 12-1 PM
TTh 8-11 AM and 12-1 PM
F 9-10 AM

Course Pre-requisites, Co-requisites, and/or Other Restrictions

Prerequisite: COSC 1337 or consent of instructor.

Course Description

COSC 2336. Programming Fundamentals III (3-1-3)

Basic concepts of the Java programming language often used in business, academic, and engineering environments. The course will focus on computer programming principles, data types, control statements, object oriented programming, classes, GUI concepts and event driven programming. (RM)

Student Learning Outcomes

1. The student will be able to design, write, and test Java programs, GUI applications, and Applets.
2. The student will be able to apply the programming concepts of class inheritance, polymorphism, and abstraction.
3. The student will be able to demonstrate advanced error handling in Java programs.

Required Textbooks and Materials

1. Textbook: *Starting Out With Java, From Control Structures through Objects*. Gaddis, 5th Edition. ISBN-13 978-0-13-285583-9.
2. Lab materials: Provided by instructor.
3. Scantron sheets: Form 882 (50 answer blanks per side)

Suggested Course Materials

1. USB Flash drive

Methods of Evaluation

To obtain an A in this course, you must complete all assignments as well as maintain an A average on your work.

Grading Scale:

Categories	Percentage
A	90 - 100
B	80 - 89
C	70 - 79
D	60 - 69
F	Below 60

Grading Criteria:

Categories	Percentage
Exams: 2 of 3 (Objective)	30% of total
Lab Assignments	45% of total
On-line chapter quizzes	10% of total
Final Exam (Comprehensive)	15% of total

Grades for all assignments, exams, and quizzes will be posted on-line on Canvas to allow student verification of grades.

Methods of Instruction

Class time will be used for lecture, instructor guided hands-on practice, and self-paced laboratory time for one on one instruction and completion of the required assignments.

Course & Instructor Policies

Class Attendance

Academic success is closely associated with regular classroom attendance and course participation. All successful students, whether on campus or on-line, 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 minimester, 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. **In accordance with the College's Developmental Education Plan, students withdrawn from their only developmental course may be withdrawn from all academic courses.** In addition, students' eligibility to receive financial aid or live in a College dormitory can be affected by withdrawal from courses. When administrative withdrawal occurs, any tuition refund would be made in accordance with state regulations.

If you find yourself in over your head, please observe the drop dates on the course schedule. You may drop this class by calling the Registrar's Office at 903-465-6030. 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 to make the appropriate arrangements.

Absences for official school activities must be arranged with and approved by the instructor in advance. Exams missed due to approved activities must be taken in advance of the regular test date. If an absence coincides with the due date for an assignment, the assignment must be turned in before the due date.

For a day class, after **two** absences per semester, *any additional absences will reduce the student's final grade by 2 grade points per absence.* For a night class, after **one** absence per semester, *any additional absences will reduce the student's final grade by 5 grade points per absence.*

Make-up Exams

There will be **NO** "make-up exams" for exams missed due to absences that are not for official school activities **and** approved by the instructor in advance. Exams missed for any other reason will be recorded with a grade of 0.

THEA Proficiency

The Texas Higher Education Assessment (THEA) 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. THEA 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 Intensive* course for the purposes of THEA.

How to Succeed in This Class

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. First, come to class every day and be on time. Second, prepare a calendar which lists all test and homework assignment due dates for all classes. Third, spend an hour each day reviewing and summarizing your class notes. During your summarization, be sure to mark items the instructor repeats two or three times ... this material will probably be on the test. Fourth, 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. Fifth, ask questions! If you don't understand something, chances are someone else doesn't either and they're too scared to ask! Finally, turn in all work on time, **read the textbook, and make use of the web site resources provided by the publisher of your textbook.** Remember that what you get out of college is directly proportional to the amount of time and effort you put into college.

"Late Assignment" Policy

You should allow yourself ample time to submit your assignments before the due date. Since some of your assignments might be submitted on-line, and excuse of *"I couldn't access the computer to turn in my assignment because ..."* will not gain you any sympathy or extra time. Assignments will **NOT** be accepted after the due date. On-line quizzes may not be submitted late. You will have plenty of time for every assignment and quiz; do not wait until the last minute!

"Testing Out" Policy

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 course.

Student Conduct & Discipline

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. Students who do not adhere to this policy will face the appropriate consequences, including the possible expulsion from class.

Please adhere to the following class rules:

1. Be on time for class. If you come in late repeatedly, you will be asked to leave until you correct your scheduling issues.

2. If you need to leave early, please let the instructor know at the start of class. Simply getting up and walking out will result in you being counted as absent for that day.
3. Cell phones must be turned off in the classroom.
4. If computers are in the classroom, they may be used only for class assignments, not during lecture.
5. Private discussions during class distract other students and will not be tolerated.
6. If you cannot stay awake during class, please stay home.

In general, please show respect for your fellow students. Treat others the way you would want to be treated.

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.

Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, 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. If you have any questions about what constitutes plagiarism, please ask.

Students who submit plagiarized material or who have engaged in collusion on any course assignment will receive a zero on that assignment and an "F" in the course for any additional acts of academic dishonesty. Students who are caught cheating on any exam will receive an "F" in the course.

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.

Required Assignments & Academic Calendar

General topics for the semester are listed in the table below. This schedule is subject to change with appropriate notice.

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.

Date	Details
Fri Jan 29, 2016	COSC2336 Chapter 7 Quiz due by 5pm COSC2336 Lab 1 (Chapter 7) Arrays due by 5pm
Fri Feb 5, 2016	COSC2336 Lab 2 (Chapter 7) Hash Tables due by 5pm
Wed Feb 10, 2016	COSC2336 Exam 1 (Chapters 7, 9) due by 11:59pm
Fri Feb 12, 2016	COSC2336 Chapter 9 Quiz due by 5pm COSC2336 Lab 3 (Chapter 7&9) String Manipulations due by 5pm
Fri Feb 19, 2016	COSC2336 Lab 4 (Chapter 9) String Operations due by 5pm
Fri Mar 4, 2016	COSC2336 Chapter 10 Quiz due by 5pm COSC2336 Lab 5 (Chapter 10) Inheritance due by 5pm
Wed Mar 23, 2016	COSC2336 Exam 2 (Chapters 10, 11) due by 11:59pm
Fri Mar 25, 2016	COSC2336 Chapter 11 Quiz due by 5pm COSC2336 Lab 6 (Chapter 11) Exceptions due by 5pm
Fri Apr 8, 2016	COSC2336 Chapter 13 Quiz due by 5pm
Fri Apr 15, 2016	COSC2336 Lab 7 (Chapter 13) Shopping Cart System due by 5pm

Wed Apr 20, 2016 [COSC2336 Exam 3 \(Chapters 13, 14\)](#) due by 11:59pm

Fri Apr 22, 2016 [COSC2336 Chapter 14 Quiz](#) due by 5pm

[COSC2336 Lab 8 \(Chapter 14\) Calculator Applet](#) due by 5pm

Fri May 6, 2016 [COSC2336 Chapter 15 Quiz](#) due by 5pm

[COSC2336 Lab 9 \(Chapter 15\) Character Count](#) due by 5pm

[COSC2336 Final Exam](#)