COP3337: Programming II RVC

Email: Please Email within Canvas Message.
Phone: (305) 791-4133, phone call or text
Office Hours: Online and by Appointment

General Information

Course Description and Purpose

An intermediate level course in Object-Oriented programming. Topics include primitive types, control structures, strings, arrays, objects and classes, data abstraction inheritance polymorphism and an introduction to data structures

Prerequisites Topics

Before starting this course, students will be able to:

1. Be familiar with Objects & Classes
2. Master methods, method parameters, and parameter passing
3. Master fundamental Java data types
4. Master selection and iteration control structures
5. Master using String, ArrayList, and Wrapper classes
6. Be exposed to software testing and interactive debugging
7. Master complex Boolean expressions in selection and iteration constructs
8. Master good programming practices

Course Objectives

Upon completing this course, students will be able to:

1. Master the design and implementation of classes using inheritance and polymorphism
2. Master the use and implementation of class interfaces
3. Be familiar with writing recursive methods
4. Be familiar with the implementation of linked list data structures
5. Be familiar with the Stack & Queue data structures
6. Be exposed to the Java Collection interface
7. Master analyzing problems and writing Java program solutions to those problems
8. Be familiar with software testing and interactive debugging
9. Master best practices for documenting code
10. Master arrays and multidimensional arrays

Important Information

Policies

Before starting this course, please review the following pages:

- Policies
- Netiquette
- Technical Requirements and Skills
- Accessibility and Accommodation
- Panthers Care & Counseling and Psychological Services (CAPS)
- Academic Misconduct Statement

Course Prerequisites

This course has a prerequisite of COP2210 or EEL2880. Review the Course Catalog webpage for information about prerequisites.

Textbook and Course Materials

Textbook Table

	Big Java, Early Objected (required)

Author Cay Horstmann
Publisher: Wiley 7th Edition
epub ISBN :978-1-119-49909-1
You may purchase your textbook online at the FIU Bookstore.

Expectations of this Course

This is an online course, which means most (if not all) of the course work will be conducted online. Expectations for performance in an online course are the same for a traditional course. In fact, online courses require a degree of self-motivation, self-discipline, and technology skills which can make these courses more demanding for some students.

Students are expected to:

- **review the getting started page** located in the course modules;
- **introduce yourself to the class** during the first week by posting a self-introduction in the appropriate discussion;
- **take the practice quiz** to ensure that your computer is compatible with the learning management system, Canvas;
- **interact** online with instructor and peers;
- **review** and follow the course calendar and weekly outlines;
- **log in** to the course at least2 or 3 times per week;
- **complete** assignments by the due date specified. **No late work will be accepted;**
- **respond** to **emails** within 1 to 2 days**;**
- **submit** assignments by the corresponding deadline.

The instructor will:

- log in to the course multiple times per week;
- respond to **emails** within **24 to 48 hours**;
- grade assignments within **7 days** of the assignment deadline.

Course Detail

Academic Misconduct Statement

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Academic Misconduct

Academic misconduct is incompatible with a degree from FIU. KFSCIS expects all of its students to practice complete honesty and transparency in all of their academic endeavors.

From the FIU Student Conduct and Honor Code:

"Undergraduate, Graduate, and Professional Students at FIU are expected to adhere to the highest standards of integrity in every aspect of their lives. Honesty in academic matters is part of this obligation. Academic integrity is the adherence to those special values regarding life and work in an academic community. Code violations may lead to suspension or expulsion from the University if a determination of responsibility has been made. These sanctions will be determined based on severity of incident and prior violations of the Code."

All FIU policies regarding academic integrity apply to this course. Acts of academic misconduct may involve (but are not limited to) the following:

- Plagiarism in written or coding submissions
- Cheating during quizzes or exams

- Enabling acts of academic dishonesty by sharing work with other students

- Falsification of information
- Having unauthorized possession of quizzes or exams
- Submitting the work of another person
- Submitting work previously used in another course or in a prior semester, without the express permission of the instructor (self-plagiarism)

- Uploading course materials to any commercial websites without the instructor's express permission
- Utilizing outside 3rd-party paid sources, paying another student, or offering to pay another student to produce the work you submit
- Submitting work from a repository, including third party commercial sites offering work for-hire
- Providing your FIU log-on credentials to anyone else to use for any purpose

If, at any time, you are uncertain about permitted or prohibited actions in this course, consult the instructor for guidance.

Zero tolerance for academic misconduct: If you commit any form of academic misconduct in this course, you *WILL* be reported to the FIU Student Conduct and Academic Affairs office.

Failure to adhere to the guidelines stated above may result in one of the following:

- Expulsion: Permanent separation of the student from the University, preventing readmission to the institution. This sanction shall be recorded on the student`s transcript.
- Suspension: Temporary separation of the student from the University for a specific period of time.

By taking this course, you promise to adhere to FIU's Student Code of Academic Integrity.

For details on the policy and procedures please visit the following Academic Misconduct links:

https://online.fiu.edu/student/resources/policies.php

Short version of the FIU honor code:

https://academic.fiu.edu/AcademicBudget/misconductweb/Code_of_Academic_Integrity.pdf

Complete version as included in the full regulations document – See section 6 (starting on page 14) for academic misconduct:
https://regulations.fiu.edu/docs=257

Course Communication

Communication in this course will take place via the Canvas Inbox. Check out the Canvas Conversations Tutorial or Canvas Guide to learn how to communicate with your instructor and peers using Announcements, Discussions, and the Inbox. I will respond to all correspondences within 24 to 48 hours excluding weekends.

Discussion Forums

Keep in mind that your discussion forum postings will likely be seen by other members of the course. Care should be taken when determining what to post.

Discussion Forum Expectations:

The initial discussion posts, with the exception of the Introduction Project 1 post, should be at least 300 words. The replies to other students should be at least 150 words and are designed to further the conversation. A reply should consist of more than "I agree" or "good post". Rather, the reply should expand upon what was said in the initial post. It is perfectly acceptable to disagree, but all posts should be positive in nature and follow the accepted rules of academic etiquette. Always remember that there is a person on the other side of the computer!

Quizzes and Exams

In order to mitigate any issues with your computer and online assessments, it is very important that you take the Practice Quiz from each computer you will be using to take your graded quizzes and exams. Assessments in this course are not compatible with mobile devices and should not be taken through a mobile phone or a tablet.

There will be 3 quizzes and 2 exams scheduled throughout the semester. The prequiz is designed as a diagnostic tool to help me understand the baseline for the students in the class. It is important to answer the questions honestly so that I can get a good gauge of where everyone is as we start out the course. All of the quizzes and tests are individual assignments. Students should not look online, in the textbook or seek other sources for help. If a student is found to have used resources on the exam, a report will be submitted to the Student Conduct and Academic Integrity department. If found responsible for misconduct, sanctions will be assigned by the committee.

For the exams, HONORLOCK will be used. Using HONORLOCK is not option and recordings will be used in any academic integrity reports if there is a suspicion that academic integrity requirements have been violated. You must test your system before attempting to take an exam. Please do not wait until the last moment, as a technology glitch that prevents you from taking the exam just before it closes is not a reason to grant an extension on the exam.

Please review the document Preparing for Exams with HONORLOCK in the Getting Started module for the steps to set up HONORLOCK.

Projects

There will be a number of projects throughout the semester. All projects are to be in OOP format, which means at a minimum there will be a tester/runner/driver and at least 1 object class. Each of the projects is designed to help students practice and apply the concepts we are learning in the modules. Check the project specifications for the requirements for each project. Projects are designed to be individual work. Students should not consult the internet or other sources, other than your instructor or specifically identified by your instructor, for specific help on the assignment including paid or unpaid resources online, other students including current and prior

students or "group chats" to complete the work. The use of FIU student tutoring services, such as STARS, is not only permitted but encouraged. Searches about how to use a particular tool in a generic sense are acceptable, but the logic and program design should be completed by the individual student. If the logic or syntax are copied from another source - including other students and the internet - this will be considered an academic integrity infraction. Please be aware that programs are submitted to plagiarism review software. Changing variable names or simply moving code segments around in a program does not make it unique. Also, please note that while(true) loops are not acceptable. Using a while(true) loop will result in a 25 point penalty on any assignment.

Submissions for each project should include the following:

- A zip file containing all .java files. NOTE: Java files should not be submitted as individual attachments.
- A Word or text document containing all of the code for the project. Please copy/paste all Java code from the .java file into the Word document. Assignments without the Word or text file run through Turn It In (TII) will not be graded. The Word document must not be included in the zip file.

Zoom Video Conference

Zoom is a video conference tool that you can use to interact with your professor and fellow students by sharing screens, chatting, broadcasting live video/audio, and taking part in other interactive online activities. We will be utilizing this tool to conduct help sessions and office hours.

Zoom Meetings will be set up as needed. Students are always welcome to schedule individual sessions for tutoring. Your instructor will set up sessions for the class as the need arises and meeting will be announced in advanced using the course announcement tool.

Zoom Test Meeting Room
Use this link to access the Zoom Test Meeting Room. This meeting room is available to test out the software before joining an actual session. The link for the specific Zoom room for a meeting will be provided in advance.

Reference the provided links to access Zoom student tutorials to learn about the tool, how to access your meeting room, and share your screen.

- Download Zoom.
- Login to Zoom through Desktop Application
- Enable and Test Audio & Webcam.
- Schedule a meeting or Join a Zoom meeting.
- Invite others to join meeting.
- Chat (Professors) - Students look at attendees section for instructions.
- Share My Screen.
- Record a Local Zoom meeting.
- Host Control in Meetings.
- Getting Started with iOS.
- Getting Started with Android.

Grading

Course Grades Distribution Table

Course Requirements	Number of Items	Points for Each	Total Points Available	Weight
Assignments	5	5	25	15%
Quizzes	2	100	200	20%
Projects	6	100	600	35%
Exams	2	100	200	30%

Course Requirements	Number of Items	Points for Each	Total Points Available	Weight
Total	**15**	**N/A**	**1025**	**100%**

Letter Grade Distribution Table

Letter	Range%	Letter	Range%	Letter	Range%
A	95 or above	B	83 - 86	C	70 - 76
A-	90 - 94	B-	80 - 82	D	60 - 69
B+	87 - 89	C+	77 - 79	F	59 or less

Course Calendar

Access your Course Calendar (.docx) for course topics and assignments.