COMI 2510 Advanced Java Programming

Calendar

Week of	Topic	Reading	Assignment Due - Date
9/4	(Lesson 1) Classes and methods	Chapters 5,6	9/15 - Syllabus Quiz
9/11	(Lesson 1) Classes and methods	Chapters 5,6	9/15 – Homework 9/15 – Lab post #1 9/17 – Lab post #2
9/18	(Lesson 2) Classes and objects	Chapter 8	9/22 – Homework 9/22 – Lab post#1 9/24 – Lab post#2
9/25	Assignment 1		10/1 – Assignment 1
10/2	(Lesson 3) Inheritance and polymorphism	Chapter 10	10/6 – Homework 10/6 – Lab post#1 10/8 – Lab post#2
10/9	Assignment 2		10/15 – Assignment 2
10/16	(Lesson 4) GUI applications and events	Chapter 12	10/20 – Homework 10/20 – Lab post#1 10/22 – Lab post#2
10/23	(Lesson 5) More GUI components	Chapter 13	10/27 – Homework 10/27 – Lab post#1 10/29 – Lab post#2
10/30	Assignment 3		11/5 – Assignment 3
11/6	(Lesson 6) Text processing and wrappers	Chapter 9	11/10 – Homework 11/10 – Lab post#1 11/12 – Lab post#2
11/13	Assignment 4		11/19 – Assignment 4
11/20	(Lesson 7) Recursion	Chapter 16	11/24 – Homework 11/24 – Lab post#1 11/26 – Lab post#2
11/27	Assignment 5		12/3 – Assignment 5
12/4	(Lesson 8) Algorithms and analysis	Chapter 17	12/8 – Homework 12/8– Lab post#1 12/10 – Lab post#2
12/11	(Lesson 9) Exception Handling	Chapter 11	12/15 – Homework 12/17 – Late work

Important dates

Holidays: October 9, November 13, November 23-26
Off-schedule days: October 10 and November 15 follow a Monday schedule (important for on-campus courses)
Mid-term grades are due: October 25
Last day to withdraw with a W: November 14
Last day of classes: December 15

General course information for COMI 2510

This syllabus is a guideline only and is therefore subject to change.

Course	COMI 2510, Advanced Java Programming (Online)
Semester	Fall 2017
Credit and lecture hours	3 credits, 3 lecture hours / 1 lab hour
Professor	Maggie Burke
Preferred pronouns	She, her, hers
Please call me	Professor Burke or Maggie
Text	*Starting out with Java, from Control Structures Through Data Structures*, by Tony Gaddis & Godfrey Muganda, 3rd ed. (If you have the second edition, chapter numbers will be different. Use chapter names to guide you. Check with me to be certain.)
Office hours	See the Contact link within the course website
Contact	Knight 2168, 401.825.2058, mburke1@ccri.edu
Departmental secretary	Donna Scattone, 401-825-2155, dscattone@ccri.edu
Other materials	Eclipse IDE for Java, Access code to Pearson materials (included with text)
Prerequisites	This course assumes you have already taken COMI 1510 or have the equivalent knowledge. Contact me if you're concerned you don't have the appropriate background knowledge.

Course description

This course introduces the student to advanced topics in programming and software design such as graphical modeling techniques and algorithms and analysis as well as current techniques in interface design and user interaction. Specific topics will reflect current technologies and might include inheritance and polymorphism in object-oriented design and graphical user interfaces and the event loop.

Course outcomes

See current outcomes on the CS department website.

Class attendance

There is no attendance in the online section. However, I am required to report verification of attendance in order to comply with federal law, which requires that you complete an academic activity. Therefore, you must complete the Lesson 1 homework assignment by the due date or you will be removed from the course. You must also complete the Syllabus Quiz with a grade of 100.

Grading

You must complete the Syllabus Quiz with a grade of 100 in order to remain in the course. Your final grade will be composed as follows:

Programming Projects	50%
Team Lab Work	25%
Homework	25%

I reserve the right to adjust your grade based on extreme subjective measures such as academic honesty. If I adjust your grade down I will retain documentation of my reasons.

Assignments must be submitted on time. I will not accept graded assignments after they are due. However, as I understand people sometimes, unfortunately, have emergencies, I will accept a maximum of one late programming project. If you have a late project, you may submit it under the "Late work" link in the class website after the last programming assignment is due.

Incomplete grades are for students who were almost finished with a course when a disaster struck that prevented the student from completing the course at that time. An incomplete grade will be assigned only if you have completed all work through the last date to withdraw. In order to receive an incomplete grade you must provide documented evidence that you cannot complete the course during the semester and you must submit a plan for completing the course in writing to me. If you are unable to complete your work prior to the withdraw date and you cannot complete the course, then you should withdraw and try again in another semester.

Requirements for submitting programming assignments

Programming assignments will be submitted electronically, for obvious reasons. For electronic submissions, follow the very specific instructions in the assignment. These include how to name and zip your files and folder. Use the zip format. Do not use another compression format.

Academic Honesty Policy

All graded work in this course is individual work and is to be completed by you alone.

This means, but is not limited to, the following:

- You may not ask for or receive help from any other person. However, I encourage you to ask me for help if you have questions about an assignment. I will help you understand what you are expected to do. I will help you understand general concepts, and I will help you with the development process. But my help will be limited, because the purpose of an assessment is to assess what you can do by yourself. Do not talk to anybody but me about a graded assignment.
- You may not offer help to another person on graded work.
- You may not use code for graded work that you did not write yourself, unless that code is provided as part of the project, or is an example from the textbook or videos.
- You may not use diagrams that you did not create yourself.
- You may not use another person's comments, descriptions, or any other text that is part of a graded assignment (once again, unless it is part of code that is given to you that you are expected to work with).
- You may not link to external libraries or use tools that automatically generate code or diagrams.

The labs, after your first two graded posts, are an exception to this rule. You may ask and answer questions in the discussion board about the labs.

If you have any questions about academic honesty on any particular assignment, or the course or college's academic honesty policies, please ask!

Students sometimes turn to the Internet to research the solution to a programming problem. The best advice I can give you is: do not do this for any assignment, but especially not for a graded assignment. In this course, you may not use any code from any Internet source. You may use the Oracle Java documentation in order to understand how Java works, but do not copy examples from the Java documentation.

Work that I have determined is in violation of the class academic honesty policy will be handled according to the college's academic integrity policy. This means that I will notify you, my department chairperson, and the dean of students of all violations. There are no exceptions to this policy, and this does mean that the violation will appear on your permanent record. You may then proceed according to the college's policy if you disagree. I recommend that you retain all notes and early versions of work so that you can defend its origins.

This is the college's academic honesty policy and grievance procedure.

In General

Check your email and the class website every day. *Send me email* if you're having trouble with the reading or a project, and I will respond to you as quickly as possible. (Please see the class email policy for details on email correspondence.) Make an appointment to visit my office hours if you need in-person help. You should always try to figure things out on your own first – read the book, run examples in the debugger, experiment with them, and try on your own. But do not fall behind! As soon as you realize you can't figure something out, please contact me for help.

Classroom climate and code of conduct

In our class:

- Everyone is allowed to feel they can work and learn in a safe and caring environment;
- Everyone matters;
- All individuals are to be respected and treated with dignity and civility; and
- Everyone shares the responsibility for making our class, and the school, a positive and better place to live, work, and learn.

The CCRI code of conduct applies to both online and on-campus courses. The code of conduct in this online course refers to communication that takes place in all online communications media, as well as any in-person communication and conduct that might take place outside of the course, such as in a study group, another class, or in the professor's office hours.

If you violate CCRI's code of conduct, you will be removed from the Blackboard course pending a hearing.

Email Policy

Email sent from the Blackboard environment will go to your CCRI account. All group messages will be posted in the Announcements area and will be available all semester (they will also be sent to your CCRI account).

- You can expect me to read and acknowledge your email once per day during the week.
- If you send me a message and do not receive a response after 24 hours, please write again. (You're not bothering me!)
- I expect you to read your email at least once per day during the week.
- Please acknowledge receipt of an individual email from me. You do not need to acknowledge group messages (which usually being "Dear Students").
- Never send me an attachment unless I specifically request it. I do not accept programming projects in email.
- All email correspondence related to this class should take place in Blackboard and/or the CCRI email system. You are responsible for reading messages sent to your CCRI email account.
- I recommend that you do not forward your email to an off-campus account, or if you do, do not rely on receiving your email in that way.
- The subject line of your message should contain the name or number of the class and a meaningful summary of the contents of the message, such as "ADV JAVA PROBLEM understanding lesson #3."
- Please be polite and respectful in your messages to me, and I will be polite and respectful in my messages to you.
- All messages should strongly relate to the course materials and assignments.
- Spend time composing messages to me. Proofread. Rewrite. Spend time reading messages from me. Do you understand every point, if I'm answering a question? If not, re-read before you ask another question.
- Before you compose your message, think about how it will be received by me. Will it be perceived as intelligent, professional, and thoughtful? If you are asking me a question about the material, please tell me what you know and what you've tried. Make every message count!
- Unless another faculty member has provided an email policy, please use these guidelines to send email to other faculty members and college staff. Polite, respectful, carefully worded messages are always appreciated by everyone.

Helpful Links

You are responsible for following the policies set forth in the Student Handbook and College Catalog.

Please also follow CCRI's Electronic Communications Policy and CCRI's Computer Network and Usage Policy, from the Student Handbook.

IT's page on email for students will show you the features of your CCRI email account, and these suggestions from the distance learning for students website will help you communicate well in email.

Computer down time and emergencies

We are computer professionals and should have strategies for down time. There is always the possibility of a system failure at CCRI or with the computer you use to access the course. I recommend the following:

- Back your work up regularly. Ideally this is to a system that is off site from the source.
- Print the syllabus and printable course materials such as programming assignments and code examples so that you can work from your text and by hand until systems are restored;
- Print your own work so that you have a hardcopy of your own work;
- Store as much work as possible (course materials and your own work) on both your hard drive and portable media such as a flash drive;
- Store as much work as possible on the cloud (for example your free OneDrive account through CCRI);
- Plan to complete assignments at least 24 hours before the due date, so that if there is a system problem that lasts 24 hours or less, you will still be able to complete and upload on time;
- Upload intermediate stages of programming assignments in case there is an emergency and you're unable to work on or upload a final version;
- If possible, use your smart phone (if available) in an emergency to alert the professor to your situation.

You should also check the IT pages at CCRI for scheduled down times and plan your work accordingly.

Accommodations

We are all individuals, with individual learning abilities, life situations, and backgrounds. My goal is success in this course for every individual. Although I specifically mention two student groups here, all students are welcome to approach me with concerns about how their learning might be negatively impacted in this class. All students may petition me for learning accommodations in my class, and I will do my best to accommodate you within reason and fairness to everyone.

Any student with a documented disability is invited and encouraged to contact me early in the semester so that we may work out reasonable accommodations to support your success in this course. If you have not already done so, you should begin by contacting the Disability Services for Students Coordinator on this campus.

Welcome to all veterans. If you would like to identify yourself to me as a veteran, please do so with complete confidence that I will do my best to support you. If you know now or if you discover during the semester that you require accommodations or are uncomfortable for any portion of the class, please contact me to discuss accommodations.