Course Syllabus – COP3502 Online
Programming Fundamentals I

Contact Information
Instructor: Dr. Sanethia Thomas

Email Address (allow 48 hour for response): sanethiat@ufl.edu

Office Hours: By appt, 24 hours advance via https://calendly.com/drsanethiathomas/meeting

Course Information
This is the first course of a two-semester introductory sequence for students without prior programming experience. Topics include major concepts of computer science and computer programming processes, including object-oriented programming, procedural and data abstraction and program modularity.

Accreditation
This course contributes to meeting the professional component of ABET program criteria:

b) includes one and one-half years of engineering topics, consisting of engineering sciences and engineering design appropriate to computer engineering.

This course is used to assess program outcomes for these ABET criteria:

c) an ability to design hardware and software systems, components, or processes to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

e) an ability to identify, formulate, and solve hardware and software computer engineering problems, accounting for the interaction between hardware and software.

k) an ability to use the techniques, skills, and modern engineering tools necessary for computer engineering practice.

Course Objectives
By the end of the semester, successful students should be able to:

- understand what programming is and the unique features of Java,
- read and understand programs written in Java,
- design and implement programs using Java,
- compile and execute programs to get results, and
- debug (identify and fix) syntax, semantic, and logic errors in Java source code.

Course Materials
Required: Programming in Java (**ONLINE**), Frank Vahid and Roman Lysecky (2015), zyBooks
Optional: Introduction to Java Programming 11E, Y. Daniel Liang (2017), Pearson

There are also lots of free Java resources available online.

Mobile Computing Requirement

The College of Engineering requires students to have a mobile computing device (laptop) with 802.11 WiFi capability. Preferred methods for public and private communication regarding the course and a method for resolving technical issues (e.g. helpdesk.ufl.edu, 352-392-4357).

Course Overview

The following is a rough topical overview of what we will examine during the course (subject to change):

Mod.	Dates	Lecture	Lab	Project
0	May 11-15	Introduction to Computer Science	Lab 00 / Quiz 00	
1	May 18-22	Variables & Arithmetic, & IO	Lab 01 / Quiz 01	
2	May 25-29	Program Control	Quiz 02 / Lab 02	
3	June 1-5	Built-in Data Types	Quiz 03 / Lab 03	
4	June 8-12	Methods and Arrays	Quiz 04 / Lab 04	P1 Due: June 14th @ 11:59pm
5	June 15-19	EXAM 1	No Quiz / Lab	
Break	June 22-26	Break		
Break	June 29-July 3	Break		
6	July 6-10	Software Engineering	Quiz 05 / Lab 05	
7	July 13-17	Class	Quiz 06 / Lab 06	P2 Due: July 19th @ 11:59pm
8	July 20-24	Inheritance	Quiz 07 / Lab 07	
9	July 27-31	Searching and Sorting Algorithms	Quiz 08 / Lab 08	
10	August 3-7	Recursion/Review		P3 Due: Aug. 9th @ 11:59pm
11	August 10-14	Final Exam		

Grading

Information on current UF grading policies for assigning grade points: catalog.ufl.edu/UGRD/academic-regulations/grades-grading- policies/.
The grade breakdown is as follows:

Grade Category	Percentage	Letter	Range (%)
Participation	10%	A	93 – 100
		A-	90 – 92
Development		B+	87 – 89
Labs (8-Drop-1)	10%	B	83 – 86
Projects (3-Drop-1)	30%	B-	80 – 82
		C+	77 – 79
Assessment		C	73 – 76
Quizzes (8-Drop-1)	10%	C-	70 – 72
Exams (1)	16%	D+	67 – 69
Final Exam (1)	24%	D	63 – 66
Total	*100%*	D-	60 – 62

NOTE: A C- will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: an average of C- is equivalent to a GPA of 1.67 and therefore does not satisfy this graduation requirement. For more information on grades and grading policies, please consult the catalog.

Assignment Expectations

1) Participation is determined by Zybooks readings, activities and challenges.
2) Quizzes, Labs, Projects and Exams are to be worked independently without code sharing. All cheating will be reported to the Honor Code immediately.

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (sccr.dso.ufl.edu/process/student-conduct-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Academic Dishonesty will be dealt with strictly. Sharing / copying, "borrowing" of code structure, discussing code structure, looking at code from another student or providing such code, and plagiarism, in addition to other dishonest behaviors, are all considered academic dishonesty. Absolutely no information regarding assignment solutions may be shared by students except at a conceptual level. If students implement algorithms from other sources, they must cite those sources. Students may not copy code from the Internet or other sources under any circumstances.

Any student found to have violated these rules, whether a provider or receiver or unauthorized help, will be given a zero and referred to the Honor Court. When in doubt, ask.

Code Submissions

Functionality is key to success in software development and computer science, so it is **extremely important** that the guidelines are followed. Failure to follow these instructions will result in penalties.

1) Code must compile / run in debug and release mode. Debug information should never be released in the final version of a software project. **Projects that do not compile AND run will be marked zero**.

2) Include only those files specified by the documents in your archive. Projects should have no directory structure except as explicitly mentioned in the documentation (i.e., relevant files and folders should be submitted in the root of the zip file.) It should be possible to open the archive, copy your files directly into the project, compile, and then run the project without further steps. If the project has naming or organization error(s), its grade will be **zero**.

Expectations for the Class

Students are expected adhere to the following guidelines in this course:

Grade reviews must be requested within one week of a grade being posted. After two weeks, no grade will be revisited. In the event of a grade review, the entire assignment will be reviewed.

All assignments are due by the time listed on Canvas. Projects and homework with a cascading deduction: one (1) business day late for 10% penalty; two (2) for 30% penalty; or three (3) for 60% penalty. Quizzes and tests may not be submitted late for credit except with instructor approval for extenuating circumstances (see below).

Students are strongly recommended to listen to all lectures. Requirements for class participation and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/

Exam and Quizzes are proctored using Proctored U: An account can be created at https://www.proctoru.com/portal/ufl

Exam and quiz make-ups will not be given except in extenuating circumstances. For make-up consideration students will be required to submit written documentation from a reputable source as evidence. For any planned event (such as a wedding), the student is expected to contact the instructor no less than two weeks in advance for consideration. Please note that there is no guarantee that requests will be accommodated. Social, networking, and club events may be taken into consideration strictly at the discretion of the instructor.

Exams and quizzes may be reviewed during office hours but will not be distributed. Making good assessments takes time and testing. Unfortunately, some disreputable organizations and companies attempt to compromise exams to give some students an edge for a fee. To combat this, we will always allow students to review quizzes and exams during office hours but will not release them en masse.

Students should arrange for project help and grade questions during office hours. Online students should make plans to meet with the TA during scheduled office hours or try to arrange an appointment with the TA. Do not send email to, send private messages to, or "@" instructors or TAs about grades.

All correspondence should be engaged via email. In particular, slack or piazza is helpful for general questions and for students to help one another, but students should not expect a response to important questions via chat. Please allow 48 business hours for a response; the instructor and TAs have many responsibilities and respond to messages as efficiently as is practical.

Student Assistance
The following services are available to students requiring assistance:

Accommodations for Students with Disabilities – Students Requesting accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting https://disability.ufl.edu/students/get-started/. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

UF Counseling Services – Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:

- Career Resource Center, Reitz Union, 392-1601, Career development assistance and counseling

- University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling
- SHCC mental Health, Student Health Care Center, 392-1171, personal counseling
- Center for Sexual Assault/Abuse Recovery and Education (CARE), Student Health Care Center, 392-1161, sexual assault counseling.

Software Use Policy

All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at gatorevals.aa.ufl.edu/public-results/ .

Academic Resources

E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or **via e-mail at** helpdesk@ufl.edu
Career Connections Center: Career assistance and counseling services *career.ufl.edu/*
Library Support: cms.uflib.ufl.edu/ ask various ways to receive assistance with respect to using the libraries or finding resources.
Teaching Center: General study skills and tutoring. teachingcenter.ufl.edu/
Writing Studio: writing.ufl.edu/writing-studio/http://writing.ufl.edu/writing-studio/
On-Line Students Complaints: distance.ufl.edu/student-complaint-process/ /