



COP 2510 Programming Concepts

Spring 2016

3 credit hours

- Instructor: Dr. Rollins Turner
ENB 343F
turnerr@mail.usf.edu
- Office Hours: MW 11:00 AM – 12:00 PM
- Thanks to Dr. Jing Wang
for much of the material in this course



COP 2510 Programming Concepts

Section 001

Monday 9:30AM – 10:45 AM

SOC 149

Classroom Lecture

Tuesday 9:30 AM – 11:20 AM

ENB 116

Lab

Wednesday 9:30AM – 10:45 AM

SOC 149

Help Session

TA: Zach Beasley <mailto:zjb@mail.usf.edu>



COP 2510 Programming Concepts

Section 002

Monday 9:30AM – 10:45 AM

SOC 149

Classroom Lecture

Wednesday 9:30AM – 10:45 AM

SOC 149

Help Session

Thursday 9:30 AM – 11:20 AM

ENB 116

Lab

TA: Zach Beasley <mailto:zjb@mail.usf.edu>



COP 2510 Programming Concepts

Section 003

Tuesday 2:00 PM – 3:15 PM

SOC 150

Classroom Lecture

Thursday 2:00 PM – 3:15 PM

SOC 150

Help Session

Friday 10:05 AM – 11:55 PM

ENB 116

Lab

TA: Yan Albright <mailto:yalbright@mail.usf.edu>



COP 2510 Programming Concepts

Section 004

Tuesday 2:00 PM – 3:15 PM

SOC 150

Classroom Lecture

Thursday 2:00 PM – 3:15 PM

SOC 150

Help Session

Friday 12:10 PM – 2:00 AM

ENB 116

Lab

TA: Yan Albright <mailto:yalbright@mail.usf.edu>



Catalog Description

- COP 2510 Programming Concepts (3) EN ESB
- PR: MAC 2281 or equivalent. (Engineering Calculus I)
- An examination of a modern programming language emphasizing programming concepts and design methodology.



Course Objectives/Outcomes

You will be able to:

- Write object oriented programs *of small size and complexity* in the Java programming language.
- Use basic data types and expressions to perform calculations in a Java program.
- Write Java classes and methods.
- Use predefined classes and the objects that can be created from them in a Java program.



Course Objectives/Outcomes (continued)

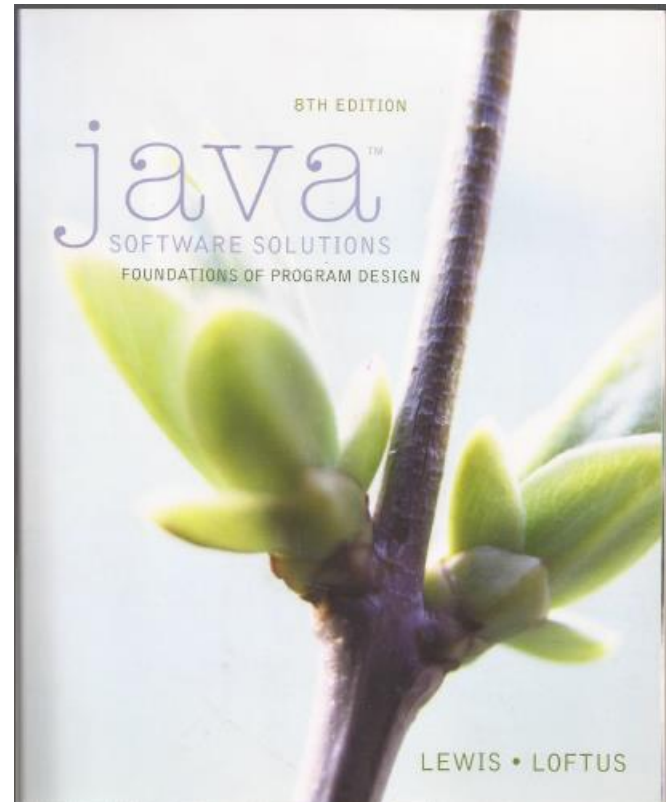
You will be able to:

- Write boolean expressions, conditional statements, and loops.
- Use static class members and method overloading in the design of classes.
- Use arrays in a Java program.
- Effectively use the principles of object oriented design (abstraction, encapsulation, inheritance, polymorphism).

Textbook

Required

- *Java Software Solutions, Foundations of Program Design* (8th Edition)
- Lewis and Loftus
- Sams Publishing 2012
- ISBN 978-0-13-359495-9





Exams and Grading

- Grading:

Lab Projects	30%
Quizzes*	10%
Midterm Exam	20%
Final Exam	40%

* Only if Quiz average is better than exam average.

The larger of quiz average or exam average will be used for this factor.

- Exams and quizzes will be written in class.
 - Closed book
- Projects will be developed in lab sessions, help sessions, or out of class.
 - Use your own computer or on-campus labs.



Exam Schedule

- Midterm and final exams will be *block exams* where all sections take the exam together.
 - NOT in the normal classroom

- Midterm Exam
 - Saturday, February 27
 - 9:30 AM – 10:45 AM
 - CPR 103

- Final Exam
 - Saturday, April 30
 - 5:30 PM – 7:30 PM
 - ENA 105 (Engineering Auditorium)



Exams and Grading

- Exams missed *for a legitimate reason* can and must be made up.
 - Consult me, in advance when possible, to arrange makeup exam.



Letter Grades

- 90 – 100 A
- 80 – 89 B
- 70 – 79 C
- 60 – 69 D
- < 60 F
- No "+" or "-" grades will be issued.
- Numerical average will be rounded to nearest integer.
 - .5 rounded up



University Policies

- Final Exams Policy
- General Attendance Policy
- Religious Days
- Academic Integrity of Students
- Disruption of Academic Process
- Student Academic Grievance Procedures
- Students with Disabilities (Student Responsibilities)
- Students with Disabilities (Instructor Responsibilities)



University Policies - Gender-Based Crimes

USF has a commitment to the safety and well-being of our students. Please be aware that educators must report incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence that come to their attention.

I am required to report such incidents in order for the Office of Student Rights and Responsibilities or the Office of Diversity, Inclusion, and Equal Opportunity to investigate the incident or situation as a possible violation of the USF Sexual Misconduct/Sexual Harassment Policy and provide assistance to the student making the disclosure. If you disclose in class or to me personally, I must report the disclosure and will assist you in accessing available resources.

The Center for Victim Advocacy and Violence Prevention, the Counseling Center and Student Health Services are confidential resources where you can talk about such situations and receive assistance without the incident being reported.

- *Center for Victim Advocacy and Violence Prevention:*
 - (813) 974-5757
 - <http://sa.usf.edu/advocacy>
- *Counseling Center*
 - (813) 974-2831
 - <http://usf.edu/student-affairs/counseling-center>
- *Student Health Services*
 - (813) 974-2331
 - <http://usf.edu/student-affairs/student-health-services>



Academic Calendar

2016	
January 1	New Year's Holiday
January 11	Spring, first day of classes
January 18	Martin Luther King, Jr.
March 14 - 19	USF Spring Break
April 27	Spring, last day of classes
April 28 - 29	Designated reading days
April 30 - May 6	Spring Final Exams
May 1	Spring Final Exams (Distance Learning)
May 7	Spring Commencement, Tampa



Course Policies

- Attendance will not be taken after the first class.
- Attendance will not be a direct factor in grades.
 - But class attendance is highly recommended.
- You may not *sell* notes or tapes of class lectures.
 - OK to give them away!
- Lab projects will be graded.



Grading Guidelines for Lab Projects

- 80% - Functionality: Runs correctly, generating correct outputs.
 - A program that does not compile will result in a zero.
- 10% - Style: Use consistent indentation to emphasize block structure; variables have meaningful names.
- 10% - Comments: Comment major code segments adequately



Course Policies

- Lab projects must be submitted on time.
 - Late projects will incur a penalty of 10 points per hour after the deadline.
- Don't post assignments on the Internet
- Don't ask for help on Internet forums.
- If you need help, ask a TA or your instructor.
 - We are here to help you.
 - It's our job!



Course Policies

- It is OK to discuss projects with other students, but *outright copying is not acceptable*.
 - Don't copy anyone else's work.
 - Don't let anyone copy your work.
 - Penalty:
 - 0 for the project.
 - Reduction of one letter grade for the course.



Class Web Site

- Slides from class presentations will be available on the class web site:

http://www.cse.usf.edu/~turnerr/Programming_Concepts/

- Also on class web site:
 - Examples
 - Project assignments
 - Project solutions
- Don't expect all material covered in class to be on the class web site.



Communications

- Canvas will be used for project submissions.
 - <https://my.usf.edu>
 - Grades posted there also.
 - Be sure you can log in and can find this class among your courses.

- USF email will be used for any last-minute announcements.
 - Be sure you can receive messages.
 - Don't let backlog exceed your quota.
 - Check your email regularly.
 - Welcome message will be sent out as a test.