



**University of
South Florida**

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COP 2513 – IT Object Oriented Programming

Spring 2019 Syllabus

Course Information

Prefix	COP
Number	2513
Section	001
College	EN
Department	Computer Science and Engineering (ESB)
CRN	21528
Title	IT Object Oriented Programming
Classes	Tuesdays & Thursdays 9:30am – 10:45am, SOC151

Prerequisites

COP2512 Programming Fundamentals for IT, or equivalent.

Description

An introduction to object oriented programming emphasizing an objects first approach with applications to IT. Objects, methods, and classes are studied in detail. Students design and implement object-oriented programs to solve IT problems.

Instructor

Giovanni Luca Ciampaglia · <glc3@usf.edu> · <http://glciampaglia.com/> · 813 396-9349 · Office hours R 2–5 p.m. ENB 318.

Teaching assistants

These sessions are an opportunity for you to work on the homework exercises with help from our TAs or ask them for more details on any feedback they left on homework or exams.

- Fariha Moomtaheen · <fmoomtaheen@mail.usf.edu> · Office hours W 11 a.m.–1 p.m. ENG 233.
- Anis Elebiary · <anis@mail.usf.edu> · Office hours R 11 a.m.–2 p.m. ENB 325.

Required Textbook

- Introduction to Java Programming, Comprehensive Version, 10th Edition. Daniel Liang. ISBN-13: 978-0133813463.

Please note that the eBook version of this title is available through the USF Bookstore. For those who prefer a physical copy and have trouble finding the 10th edition in print, the 11th edition of the same title is acceptable:

- Introduction to Java Programming and Data Structures, Comprehensive Version, 11th Edition. Daniel Liang. ISBN-13: 978-0134670942.

Course Objectives & Learning Outcomes

By the end of this course, you will be able to:

- 1) Describe the concepts of encapsulation, abstraction, inheritance and polymorphism.
- 2) Describe the relationship between an object and its corresponding class.

- 3) Write, test, and debug programs in an object-oriented programming language.
- 4) Describe how the mechanism of a class supports encapsulation and data hiding.
- 5) Compare and contrast the concept of method overloading in an object oriented language.
- 6) Design, implement and test the “is-a” relationship among objects using class hierarchy and inheritance.

Tentative Schedule

The following is a tentative timeline which might be modified during the semester.

Week	Dates	Module	Chapter	Topic	PA	HW
1	1/08, 1/10	M00		Getting Started & Java Review	✗	✗
2	1/15, 1/17	M01	9	Objects & Classes	✓	✓
3	1/22, 1/24	M02	10	Object Oriented Thinking	✓	✓
4	1/29, 1/31	M03	11	Inheritance & Polymorphism	✓	✓
5	2/05, 2/07	M04	12	Exception Handling, Text I/O	✓	✓
6	2/12, 2/14	M05	13	Abstract Classes & Interfaces	✓	✓
7	2/19, 2/21			Midterm	✓	✗
8	2/26, 2/28	M06	14	JavaFX Basics	✓	✓
9	3/05, 3/07	M07	15	Event-Driven Programming	✓	✓
10	3/19, 3/21			Review & In-class Practice Exercises	✓	✗
11	3/26, 3/28	M08	16	User Interface Controls	✓	✓
12	4/02, 4/04	M09	19	Generics	✓	✓
13	4/09, 4/11	M10	20	Lists, Stacks & Queues	✓	✓
14	4/16, 4/18	M11	21	Sets & Maps	✓	✓
15	4/23, 4/25			Review & Reading Days	✓	✗
16	5/02			Final Exam	✗	✗

Legend

- Week** Number of the week in the semester. Spring break week is skipped in the count.
- Dates** Lecture dates.
- Chapter** Textbook chapter.
- PA** Practice Assignments (✓ = yes, ✗ = no).
- HW** Homework assignments (✓ = yes, ✗ = no).

Learning Management System

Please check Canvas (available at <http://usflearn.instructure.com/>) on a regular basis for announcements and to access learning materials (slides) and assignments for submission. Any announcement posted on Canvas by the instructor will take priority on what is written in the present syllabus.

Assessment of Student Outcomes

Grading Scale

Grades will be on this scale. Note: there is no final rounding up – 69 is 69, not 70.

Percentage grade	Letter grade
100-90	A
80-89	B
70-79	C
60-69	D
0-59	F

Evaluation items

Item	Weight % of final grade
Homework	15%
Midterm Exam	35%
Final Exam	50%
Total	100%

All material you submit for a grade will be assumed to be your own personal work only. If it is not, you will be penalized for cheating. Plagiarism, in any shape or form, will not be tolerated. See “*Academic Integrity and Plagiarism Policy*” below for more details.

Homework

Each module will provide a list of exercises as homework. These are not optional and necessary for you to be prepared for our exams. You must work on all exercises for the module and complete them before the assigned deadline. When you open the link to submit your homework, the description in Canvas will tell you which of the assigned exercises you need to upload to be graded. Only submit the source code (file with .java suffix) for the specified exercise(s).

Exams

We will have one midterm exam and a final comprehensive exam. Each of them will be open book, time-limited. These will be administered on campus but will require you to bring your laptop as they will be taken on Canvas and require you to be able to work with the software used in this course. You will be allowed to use your textbook, your personal class notes and the exercises you wrote, along with the software we use to develop Java programs.

Course Policies: Grades

Late Work Policy

This course adopts a strict policy about late submissions:

- No late assignments will be accepted. Technical issues on your side (e.g. Internet outages, laptop failures) will not be considered an exception to this policy. You are responsible for making sure that your computer and Internet connection work correctly and that you have enough time to complete your submission.
- No credit nor make-up for missed exams, quizzes, or assignments. Accommodation due to scheduling conflicts are possible, see “*Make-up Exams Policy*” below.
- Serious situations will be considered as exceptions to the above only with a proper written justifications (e.g., police or medical reports, etc.) and will be investigated.

- There will be no “pre-grading” nor “proof-reading” of work you are expected to submit later as part of a graded learning activity. You will have opportunities to get feedback on practice assignments.

Extra Credit Policy

There are no possibilities to earn extra credits in this course.

Grades of "Incomplete"

The current university policy concerning incomplete grades will be followed in this course. An “I” grade may be awarded to a student only when a small portion of the student’s work is incomplete and only when the student is otherwise earning a passing grade. The time limit for removing the “I” is to be set by the instructor of the course. For undergraduate students, this time limit may not exceed two academic semesters, whether or not the student is in residence, and/or graduation, whichever comes first.

Make-up Exams Policy

If a student cannot be present for an examination for a valid reason (validity to be determined by the instructor), a make-up exam will be given only if the student has notified the instructor in advance that s/he cannot be present for the exam. Make-up exams are given at the convenience of the instructor, time/location TBD. Please let the instructor know as soon as possible. Do not rely on the TAs to relay your messages to the instructor.

Group Work Policy

No group work is allowed in this course. All turned in material is expected to be your own work only.

Final Examinations Policy

The final exam is scheduled in accordance with the University’s final examination policy. See above for the make-up accommodations.

Grades Errors

Errors in grading are considered errors when the student is able to provide irrefutable evidence that his or her solution is (1) working and (2) in line with the requirements. Nothing else will be taken into account: neither subjective considerations nor any failure from the student in interpreting the requirements of the exercise. The ability to correctly interpret instructions is a key asset in the development of any successful IT practitioner.

Errors in grading must be reported in detail to the instructor, by email within 48 hours. However, the instructor’s subsequent decision on the matter will be final. Further communications on that issue will be ignored. Grading is not a negotiation.

Course Policies: Student Expectations

Academic Integrity and Plagiarism Policy

Academic integrity is the foundation of the University of South Florida System’s commitment to the academic honesty and personal integrity of its university community. Academic integrity is grounded in certain fundamental values, which

include honesty, respect, and fairness. Broadly defined, academic honesty is the completion of all academic endeavors and claims of scholarly knowledge as representative of one's own efforts. The final decision on an academic integrity violation and related academic sanction at any USF System institution shall affect and be applied to the academic status of the student throughout the USF System, unless otherwise determined by the independently accredited institution. The process for faculty reporting of academic misconduct, as well as the student's options for appeal, are outlined in detail in USF System Regulation 3.027.

In particular, this course will follow the policy outlined :

- You are expected to work independently on all graded activities. Every graded work is required to be personal work only. It is considered cheating if one uses material supplied by others (e.g., blogs, Q&A websites like StackOverflow, previous students, friends and family, etc.).
- Being unable to explain any aspect of the material you submitted to be graded as your own work will be considered the result of cheating and will be sanctioned accordingly.
- The instructor reserves every right to use any possible mean to assert if a given student cheated or not. This may include, but is not limited to, (automatic) comparisons to other sources, questioning student(s), etc.
- All electronic submissions will be checked for plagiarism using Turnitin®, an automated system which instructors may use to quickly and easily compare each student's assignment with billions of web sites, as well as an enormous database of student papers that grows with each submission. Turnitin is directly integrated within Canvas so no extra burden is present when submitting your assignments.
- Any form of cheating or plagiarism will be sanctioned by a 'FF' grade for all parties involved.

Disruption to Academic Progress

Disruptive students in the academic setting hinder the educational process. Disruption of the academic process is defined as the act, words, or general conduct of a student in a classroom or other academic environment which in the reasonable estimation of the instructor: (a) directs attention away from the academic matters at hand, such as noisy distractions, persistent, disrespectful or abusive interruption of lecture, exam, academic discussion, or general University operations, or (b) presents a danger to the health, safety, or well-being of self or other persons.

Academic Grievance Procedure

The purpose of these procedures is to provide all undergraduate and graduate students taking courses within the University of South Florida System an opportunity for objective review of facts and events pertinent to the cause of the academic grievance. An "academic grievance" is a claim that a specific academic decision or action that affects that student's academic record or status has violated published policies and procedures, or has been applied to the grievant in a manner different from that used for other students.

Disability Access

Students with disabilities are responsible for registering with Students with Disabilities Services (SDS) (SVC 1133) in order to receive academic accommodations. SDS encourages students to notify instructors of accommodation needs at least five (5) business days prior to needing the accommodation. A letter from SDS must accompany this request.

Sexual Misconduct / Sexual Harassment

USF is committed to providing an environment free from sex discrimination, including sexual harassment and sexual violence (USF System Policy 0-004). The USF Center for Victim is a confidential resource where you can talk about incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence. This confidential resource can help you without having to report your situation to either the Office of Student Rights and Responsibilities (OSSR) or the Office of Diversity, Inclusion, and Equal Opportunity (DIEO), unless you request that they make a report. Please be aware that in compliance with Title IX and under the USF System Policy, educators must report incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence. If you disclose any of these situations in class, in papers, or to me personally, I am required to report it to OSSR or DIEO for investigation. Contact the USF Center for Victim Advocacy and Violence Prevention: (813) 974-5757.

Religious Observances

All students have a right to expect that the University will reasonably accommodate their religious observances, practices and beliefs (USF System Policy 10-045). The USF System, through its faculty, will make every attempt to schedule required classes and examinations in view of customarily observed religious holidays of those religious groups or communities comprising the USF System's constituency. Students are expected to attend classes and take examinations as determined by the USF System. No student shall be compelled to attend class or sit for an examination at a day or time prohibited by his or her religious belief. However, students should review the course requirements and meeting days and times to avoid foreseeable conflicts, as excessive absences in a given term may prevent a student from completing the academic requirements of a specific course. Students are expected to notify their instructors at the beginning of each academic term if they intend to be absent for a class or announced examination, in accordance with this Policy.

Statement of Academic Continuity

In the event of an emergency, it may be necessary for USF to suspend normal operations. During this time, USF may opt to continue delivery of instruction through methods that include, but are not limited to: Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor the Learning Management System for each class for course-specific communication, and the main USF, College, and Department websites, emails, and MoBull messages for important general information (USF System Policy 6-010). For additional guidance on emergency protective actions and hazards that affect the University, please visit www.usf.edu/em

Professionalism Policy

Per university policy and classroom etiquette; mobile phones, and any other noise-making devices must be silenced during all classroom lectures. Those not heeding this rule will be asked to leave the classroom immediately so as to not disrupt the learning environment. Please arrive on time for all class meetings. Students who habitually disturb the class by talking, arriving late, etc., and have been warned may suffer a reduction in their final class grade.

Food and Drink Policy

Please adhere to the firm policy of no beverages (other than bottled/capped water), food, tobacco products, or like items in the classroom. Your understanding of the necessity for this policy and cooperation will be greatly appreciated. This policy will be strictly enforced.