

Standardized Syllabus for the College of Engineering: **COP 3502: Programming Fundamentals for CIS Majors 1**

1. Catalog Description (3 credits)

This is a first course in a two-semester introductory sequence for students with no prior programming experience. It explores major concepts of computer science and the process of computer programming, including object-oriented programming, procedural and data abstraction and program modularity.

2. Pre-requisites and Co-requisites

Pre-requisites: MAC 1147 Pre-calculus: Algebra and Trigonometry, or equivalent

3. Course Objectives

At the end of the semester, students are expected to be able to

- Understand what programming is and the unique feature of Java
- Read: Understand programs written in JAVA language
- Write: Design and implement programs using JAVA language
- Compile: Use compiler to convert JAVA code into executable file
- Execute: Run corresponding code to get results
- Debug: Identify and fix syntax and semantic errors in JAVA code.

4. Relationship of course to program outcomes:

The students are expected to develop an ability to identify, formulate, and solve the hardware and software computer engineering problems, accounting for the interaction between hardware and software.

5. Instructor

Dr. Parisa Rashidi

- Office location: CSE E452
- Telephone: 352-505-1547
- E-mail address: prashidi@cise.ufl.edu
- Office hours: MW 9:30am – 11:30am or by appointment.

6. Teaching Assistants

The TAs will be your point of contact regarding the assignments, programing questions and grading. Their office hours are shown below. Please note that meeting with TAs during their office hours is the preferred method for asking your questions. You might also contact them by email, but understand that they may not respond immediately. If an issue is not resolved after contacting the TA, please come to my office during office hours to discuss the issue. If you want to contact me by email, please include “COP 3502” in the subject line.

Name	Office Location	Email Address	Office Hours
Lin, Shuang	CES E309	slin@cise.ufl.edu	Friday, 3:00 pm – 5:00 pm
Ozkan, Aysegul	CSE E566	aozkan@cise.ufl.edu	Tuesday, 10:40 am – 12:35 pm
Ha, Theodore	CSE E309	ttha@cise.ufl.edu	Tuesday, 8:00 am – 10:00 am
Syu, Yu-Song	CSE E309	yssyu@cise.ufl.edu	Monday, 3:00 pm – 5:00 pm
Hengxing Tan	CSE E402	htan@cise.ufl.edu	Monday 1:00 pm – 3:00 pm
Haitham Gabr	CSE E309	hgabr@cise.ufl.edu	Thursday 10:00 am – 12:00 pm

7. Meeting Times

MWF period 5 (11:45pm – 12:35pm) in PUGH 170 (Pugh Hall)

8. Class/laboratory schedule

Section # 4185: Thursday Period 2-3 (8:30 am – 10:25 am) in CSE E116

Section # 5313: Thursday Period 2-3 (8:30 am – 10:25 am) in CSE E113

Section # 6736: Thursday Period 4-5 (10:40 am – 12:35 pm) in CSE E113

Section # 6753: Thursday Period 6-7 (12:50 pm – 2:45 pm) in CSE E113

Section # 6761: Thursday Period 8-9 (3:00pm – 4:55 pm) in CSE E113

Section # 6764: Thursday Period 10-11 (5:10 pm – 7:05 pm) in CSE E113

Section # 6766: Thursday Period 4-5 (10:40 am – 12:35 pm) in CSE E116

Section # 6769: Thursday Period 6-7 (12:50 pm – 2:45 pm) in CSE E116

Section # 7091: Thursday Period 8-9 (3:00pm – 4:55 pm) in CSE E116

Section # 9285: Wednesday Period 10-11 (5:10 pm – 7:05 pm) in CSE E113

Section #1F70: Wednesday Period 8-9 (3:00pm – 4:55 pm) in CSE E116

Section #1H38: Wednesday Period 2-3 (8:30am – 10:25 am) in CSE E116

9. Meeting Location

PUGH 170

10. Midterm Exams

Midterm exam 1: Monday, Feb 27

Midterm exam 2: Monday, March 26

11. Final Exam

Friday, May 4, 10:00 am – 12:00 pm

12. Material and Supply Fees

Course fee: \$17.31

13. Textbooks and Software Required

- Title: Introduction to Java Programming
- Author: Y. Daniel Liang
- Publication date and edition: Prentice Hall; 8 edition, 2010
- ISBN number: 9780132130806

14. Recommended Reading

- Java notes: <http://math.hws.edu/javanotes/>
- Java tutorial: <http://download.oracle.com/javase/tutorial/>

15. Course Outline (provide topics covered by week or by class period)

- Objects and classes, including subclasses, inheritance, and overriding
- Primitive types and class types
- Methods (procedures, functions, constructors), including recursion
- Basic statements: assignment, if-statements, loops, blocks, method calls
- Arrays
- Simple I/O —reading and writing files
- Testing and debugging
- Program development and object-oriented design
- Programming style considerations

16. Attendance and Expectations

Class attendance is required. If for some reason you have to miss a class, you are responsible for getting class notes from a classmate. You need to make sure to submit your completed work before the due date to avoid a penalty if an assignment is due. Cell phones should be turned off or set to vibrate.

17. Grading

Final grade is calculated according to the following schedule

- Homework: 20%
- Programming assignments: 20%
- Labs (in discussion sessions; drop two lowest) 10%
- Exams 50%

18. Grading Scales

Grades may be curved. Note that 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: a “C-“ average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

- A: 100-95
- A-: 94-90
- B+: 89-87
- B: 86-83
- B-: 82-80
- C+: 79-77
- C: 76-73
- C-: 72-70

- D+: 69-67
- D: 66-63
- D-: 62-60
- F: 59-0

19. Make-up Exam Policy

All students should plan to take their exams at the scheduled times. In the case of sudden or unexpected events that will cause them to miss an exam, students are required to notify the instructor prior to the exam or as early as possible. Make-up exams are given only in exceptional circumstances with the Instructor's permission.

20. Honesty Policy

All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others.

21. Accommodation for Students with Disabilities

Students requesting classroom 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.

22. UF Counseling Services

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

- UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services.
- Career Resource Center, Reitz Union, 392-1601, career and job search services.

23. Software Use

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.