

Standardized Syllabus for the College of Engineering

COP3502 Programming Fundamentals for CIS Majors 1

1. Catalog Description (3 credits)

First course in a two-semester introductory sequence for students with no prior programming experience. 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 2311 Analytic Geometry and Calculus 1

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:

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

5. Instructor – Rong Zhang

- a. Office location: CSE E526
- b. Telephone: 352-505-1542
- c. E-mail address: rzhang@cise.ufl.edu
- d. Office hours: T 10:00am – 12:00pm or by appointment in CSE 526

6. Teaching Assistant

Name	Office location	E-mail address	Office hours
Terek Arce	CSE 309	tarce@cise.ufl.edu	Fri 2-4pm
Jialong Cheng	CSE 309	jicheng@cise.ufl.edu	Mon 3-5 pm
Theodore T. Ha	CSE 309	ttha@cise.ufl.edu	Thur 1-3pm
Shaoyu Qi	CSE 309	sqi@cise.ufl.edu	Fri 4-6pm
Menghan Wang	CSE 309	menghan@cise.ufl.edu	W 9:30am-11:30am
Qi Zeng	CSE 309	qizeng@cise.ufl.edu	Thur 10-noon

7. Meeting Times

MWF period 5 (11:45am – 12:35pm) in CSE A101

8. Class/laboratory schedule

Section # 0394 Tuesday Period 2-3 in CSE E113

Section # 0398 Tuesday Period 4-5 in CSE E113

Section # 075C Tuesday Period 6-7 in CSE E113
Section # 11H4 Wednesday Period 2-3 in CSE E116
Section # 11H5 Wednesday Period 6-7 in CSE E116
Section # 11H6 Wednesday Period 8-9 in CSE E116
Section # 2296 Tuesday Period 8-9 in CSE E113
Section # 3283 Tuesday Period 10-11 in CSE E113
Section # 5993 Tuesday Period 4-5 in CSE E116
Section # 5994 Tuesday Period 6-7 in CSE E116
Section # 5996 Tuesday Period 8-9 in CSE E116
Section # 6909 Tuesday Period 10-11 in CSE E116
Section # 6925 Monday Period 6-7 in CSE E113
Section # 9504 Monday Period 6-7 in CSE E116
Section # 9509 Monday Period 10-11 in CSE E116

9. Meeting Location
CSE A101

10. Material and Supply Fees
Course fee: \$17.31

11. Textbooks and Software Required

- a. Title: Introduction to Java Programming, brief version
- b. Author: Y. Daniel Liang
- c. Publication date and edition: Prentice Hall; 9 edition, 2012
- d. ISBN number: 0132936526

NOTE: You may purchase Introduction to Java Programming, Comprehensive Version (*9th Edition*) if you wish to have a comprehensive reference that also covers more advanced concepts of programming.

12. Recommended Reading

Java notes: <http://math.hws.edu/javanotes/>

Java tutorial: <http://download.oracle.com/javase/tutorial/>

13. Course Outline

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

14. 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. 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.

15. Grading – methods of evaluation

Final grade is calculated according to the following schedule

Home works / Projects	45%
Labs (in discussion sessions; drop two lowest)	5%
Exams	50%

NOTE: All regrade requests must be made to the TA within one week of the day the homework or exam are returned.

16. Grading Scale

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)

Grades may be curved.

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>

17. 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.

18. 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.

19. 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.

20. 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.

21. 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.