NEW COURSE PROPOSAL
Undergraduate Programs

FLORIDA ATLANTIC UNIVERSITY

Department

College
(*To obtain a course number, contact **erudolph@fau.edu***)

UUPC Approval _10-11-21_

UFS Approval _____

SCNS Submittal _____

Confirmed _____

Banner Posted _____

Catalog _____

Prefix **Number**	*(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)* **Lab** **Code**	**Type of Course**	**Course Title**

Credits *(Review Provost Memorandum)*	**Grading** *(Select One Option)* **Regular**	**Course Description** *(Syllabus must be attached; Syllabus Checklist recommended; see Guidelines)*
Effective Date *(TERM & YEAR)*	**Pass/Fail** **Sat/UnSat**	

Prerequisites, with minimum grade*	**Corequisites**	**Registration Controls** *(Major, College, Level)*

*Default minimum passing grade is D-.** **Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course

WAC/Gordon Rule Course **Yes** **No** WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines.	**Intellectual Foundations Program (General Education) Requirement** *(Select One Option)* General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines.

Minimum qualifications to teach course

Faculty Contact/Email/Phone	**List/Attach comments from departments affected by new course**

Approved by	*Date*
Department Chair _____	_9/23/2021_
College Curriculum Chair _Dan Meeroff_	_10-4-21_
College Dean _Fred Bloetscher_	_10-4-21_
UUPC Chair _Dan Meeroff_	_10-11-21_
Undergraduate Studies Dean _Edward Pratt_	_10-11-21_
UFS President _____	_____
Provost _____	_____

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

1. Course title/number, number of credit hours	
Advanced Java Programming - COP 4259	3 credit hours

2. Course prerequisites, corequisites, and where the course fits in the program of study
Prerequisites: COP 3530 or COP 3410 with "C" or better

3. Course logistics
Term: TBD   *Class location and time:*

4. Instructor contact information	
Instructor's name *Office address* *Office Hours* *Contact telephone number* *Email address*	TBD

5. TA contact information	
TA's name *Office address* *Office Hours* *Contact telephone number* *Email address*	TBD

6. Course description
This course is a Java programming class for problem solving and programming. The course will cover basic and advanced topics in Java, including but not limited to, flow of control, classes, methods, arrays, strings, inheritance, polymorphism, interfaces, algorithms, data structures, and applications.

7. Course objectives/student learning outcomes/program outcomes	
Course objectives	The primary objective of this course is to provide an advanced understanding of Java programming. Including object-oriented concepts (inheritance, polymorphism, etc), and algorithms/data structures in Java.
Student learning outcomes & relationship to ABET 1-7 outcomes	1. Proficiency in the areas of software design and development, datastructures, and operating systems 2. An ability to plan and execute engineering design to meet an identified need.

8. Course evaluation method	
Subject to changes: Participation:　　　Bonus up to 5% Homework:　　　　　30% Exams:　　　　　　　70%	Note: The minimum grade required to pass thecourse is C.

9. Course grading scale
Grading Scale:

90 and above: "A", 87-89: "A-", 83-86: "B+", 80-82: "B", 77-79 : "B-", 73-76: "C+", 70-72: "C", 67-69: "C-", 63-66: "D+", 60-62: "D", 51-59: "D-", 50 and below: "F."

10. Policy on makeup tests, late work, and incompletes

Late Assignments Policy –

Make-up Policy for Tests: Makeup tests are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student of participating in the exam.

Incomplete Grade Policy Incomplete grades are against the policy of the department. Unless there is solid evidence of medical or otherwise serious emergency situation and the student is currently passing the class, incomplete grades will not be given.

11. Special course requirements

N/A

12. Classroom etiquette policy

To enhance and maintain a productive atmosphere for learning, personal communication devices such as cell phones are to be disabled during class sessions.

13. Attendance policy statement

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. After two full weeks of face-to-face instruction with consecutive 'no show' of any students in person in the classroom, the modality of this course section may be changed to remote instruction only at the discretion of the university.

Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations, or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances, and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final grade as a direct result of such absence.

14. Disability policy statement

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

15. Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual

counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to http://www.fau.edu/counseling/.

16. Code of Academic Integrity policy statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the University mission to provide a high-quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001.

17. Required texts/reading

Java: An Introduction to Problem Solving and Programming" by Walter Savitch, 8th edition,Prentice Hall.

18. Supplementary/recommended readings

TBD

19. Course topical outline (and associated readings)

Topics (Subject to Changes)

Introduction

Flow of Control: Branching Flow of Control: Loops Defining Classes and Methods

More About Objects and Methods Arraysand Strings

Inheritance, Polymorphism and Interfaces

Advanced Topics on Algorithms

Advanced Topics on Data Structures

Applications