KELCE
COLLEGE OF BUSINESS
Pittsburg State University

Course Syllabus:
Intermediate Programming
CIS 240, 99,
Online, 23/SP

Instructor: John Kuefler, MBA
Hours: By appointment via Zoom
E-mail: jkuefler@pittstate.edu

Textbook

Starting out with Java: From Control Structures through Objects. 7th Edition, Tony Gadis (**optional**)

Catalog Course Description

The course covers intermediate concepts of object-oriented programming using an advanced programming language such as Java. It covers object-oriented programming concepts such as advanced algorithm development, modeling using UML, design concepts, pattern development, and application architecture. It is intended to be a second course in programming concepts.

Prerequisites

Prerequisite: CIS 230 Introduction to Programming.
Co-requisite: CIS 380 Systems Analysis and Design

Course Objectives / Learning Outcomes

- Understand the principals of object-oriented programming with Java
- Learn how to design a programmatic solution/algorithm from a problem with Java
- Be able to translate UML design documents into Java code
- Develop a solid understanding of git source control
- Develop a complete application/project with Java
- Understand the basics of automated code testing

Teaching Methods

This course will be taught primarily through online lectures, video demonstrations, virtual labs, and online class discussions. There will be several homework assignments/labs assigned throughout the semester focused on learning Java and object-oriented programming fundamentals. There will also be a project in the second half of the semester, where students will work on a full Java application. Additionally, there will be four exams given throughout the semester.

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Canvas

Since this course is online, Canvas will be utilized heavily in this course. Videos and supplemental lecture materials will be posted on Canvas. Homework assignments and materials will be posted on Canvas as well. Additionally, exams will be administered through Canvas.

Virtual Classroom Conduct

Students are expected to be punctual for Zoom calls, respectful of the instructor and others during class discussions and collaborations, and silence cell phones/remove distractions while they are on Zoom calls or collaborating virtually with others.

Withdrawal

Students wishing to withdraw from the class are solely responsible for doing so. The instructor will not drop students from the course.

Academic Integrity

All Pitt State students are bound by the academic integrity policies of the university as described and outlined in the current Syllabus Supplement. Please familiarize yourself with these rules and guidelines. In addition, as a course offered through the Kelce College of Business, students in this class are obligated to adhere to the college's Student Code of Ethics as outlined below.
Students pledge to:

- Arrive on time, remain until dismissed at all class sessions, and notify instructors in advance of anticipated absences, late arrivals, or early departures whenever possible.
- Turn off cell phones or other electronic devices while in class, unless permission to use them has been granted.
- Refrain from class disturbances.
- Refrain from use of profane or vulgar language in a threatening or disruptive manner.
- Treat fellow students, staff, faculty, administrators, and property with respect.
- Refrain from giving or receiving inappropriate assistance.

- Prepare assignment and exams honestly, refraining from such unacceptable conduct as plagiarism or unacknowledged appropriation of another's work in any academic work.

- Obey the policies, regulations, and laws of the United States of America, the State of Kansas, The Kansas Board of Regents, Pittsburg State University, and the Gladys A. Kelce College of Business.

- If a student observes someone committing dishonesty in connection with academic work, the student is encouraged to report that dishonesty to the appropriate individual (ex, faculty member, or administrator).

Duplicate/Plagiarized Work Policy

If multiple students submit the exact same work for an assignment, one of two things must have happened:

a) The students both copied the same answers from the internet
b) One of the students did the work and shared their answers with another student or students

Both of these scenarios are unacceptable. If any assignments are submitted that are exactly the same, all students submitting these assignments will receive a 0 on these submissions, with no exceptions. It is critical that you complete your own work, not only for academic integrity, but also so that you learn something in this class. It's ok to collaborate with other students, but do not copy other's work. It is particularly easy in a class like this to spot submissions that are exactly the same, since we're dealing with code, so don't do it.

Students with Disabilities

Please inform the instructor if you have a learning or physical disability that interferes with course requirements. Assistance and/or appropriate accommodations may be available through the contacts listed on the current Syllabus Supplement.

Grading Scale

90-100%	A
80-89%	B
70-79%	C
60-69%	D
<60%	F

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Late Work Policy

Unless a student has asked for an extension for a legitimate reason prior to an assignment due date, late work will not be accepted in this course. All late work will automatically result in a 0 grade being given unless an extension is granted.

Course Evaluation Methods

Item	Total Points
Homework Assignments/Labs	165
Class Project	100
Exams	200
Total	465

Course Outline

The below topic outline is tentative and subject to change based on instructor preference and class needs.

Topic	Assignments
Introduction to Java/Java Fundamentals - Chapters 1, 2	Labs
Decision Structures, Loops and Files, Methods, Arrays - Chapters 3, 4, 5	Labs Exam 1
Introduction to Git/Source Control	Github Assignment
Overview of Object-Oriented Programming - Chapter 6	Labs
Exceptions/Error Handling - Chapter 11	Labs Exam 2

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Topic	Assignments
Building desktop interfaces with Swing	Labs
Advance Object-Oriented Concepts - Chapters 8, 10	Labs Exam 3
Database Fundamentals - Chapter 16	Labs
Automated Testing/Advanced Topics	
Project	Project Assignments Exam 4

Note

The instructor reserves the right to amend and to reorganize this syllabus at any time.