SYLLABUS OF INSTRUCTION

MIS 3339

Programming in Java

Dr. Jim Downey

Fall 2014

UNIVERSITY OF CENTRAL ARKANSAS
COLLEGE OF BUSINESS
VISION, MISSION, AND CORE VALUES STATEMENT

COB Vision

Our vision is to be recognized as the business college of choice for undergraduate and masters programs among public business colleges in Arkansas and the region, with national recognition in selected fields or areas.

COB Statement of Mission and Core Values

Our mission is to provide high quality business education to our undergraduate and graduate students through the delivery of a current, responsive, and innovative curriculum that promotes intellectual and professional development. We promote excellence through our scholarly endeavors and service to our stakeholders through strong engagement with the local, regional, national, and global business community.

In carrying out this mission, the College of Business is guided by the following core values and expects the following outcomes:

1. **Intellectual Excellence.**
   - 1.1. Educate students: We promote intellectual and professional development of students by emphasizing communication, critical and analytical thinking, collaboration, information management and a broad exposure to key business disciplines.
   - 1.2. Scholarship: We believe that faculty and students should engage in professional development and scholarly endeavors that promote and impact the application, creation and dissemination of knowledge through contributions to business practice, learning and pedagogical research, and discipline-based scholarship.
   - 1.3. Cultural competence: We maintain and develop current and responsive curriculum that prepares students for the global business environment through broad exposure to key business disciplines.
   - 1.4. Physical learning environment: We strive to provide a physical infrastructure with appropriate technology that provides an environment in which our students and faculty can thrive professionally and intellectually.
2. **Community.**
   - 2.1. Collegiality: We encourage transparency in our decision making practice through a process of shared governance based on interactions among faculty, staff, and students.
   - 2.2. Service: We pursue collaborative partnerships between our internal and external stakeholders to impact and promote life-long and experiential learning, research, service, and community engagement.
3. **Diversity.**
   - 3.1. We value the opportunity to work, learn, and develop in a community that embraces the diversity of individuals and ideas.

4. Integrity.

4.1. Ethics: We are committed to ethical and responsible behavior in our own actions and to developing the same commitment in our students by promoting the awareness of professional ethical responsibilities.

4.2. Responsibility: We commit to being responsible and accountable in our operations at all levels, including assessment and continuous improvement of our academic programs and transparency in our fiscal and operational proceedings.

Learning Goals

Our graduates shall possess:

1. Critical Thinking & Analytical Thinking Skills;
2. Awareness of the Global Business Environment;
3. Ethical Reasoning Abilities;
4. Effective Communication Abilities;
5. Effective Collaborative Skills;
6. Effective Information Management Skills;
7. Understanding of a Broad Range of Business Disciplines.

Course Syllabus

Course Information

Course Number:	MIS 3339
Course Name:	Programming in Java
CRN:	18847
Semester:	Fall 2014
Location:	COB 308
Class Hours:	MW 2:00 – 3:15

Instructor Information

Name:	Dr. Jim Downey
Office Location:	COB 305J
Work Email:	jdowney@uca.edu
Phone:	450-5327
Office Hours:	MTWTF: 9-11

Prerequisites:

None

Textbook and Instructional Materials Required:

Lewis, John, & Loftus, William: J*ava Software Solutions, 8th Edition (or 7th or 6th)*, Pearson, 2014. Earlier editions are fine.

Course Description:

This course provides an in-depth study of computer applications, using the programming language JAVA. The course emphasizes efficient software design techniques; the method of instruction will be creating software solutions through writing actual code. This course will include both structured as well as object oriented programming, using both standard applications and applets. Of special interest is the graphics capability in Java, using standard libraries.

Course Objectives:

This course provides both a foundational and hands-on introduction to the Java programming language. It assumes no previous knowledge of computer programming. This is a lab course and is performance-based. All homeworks, labs, and exams will involve actually writing Java code. The course covers three primary subjects: procedural programming, object-oriented programming (classes), and graphics.

Course Delivery Method:

Lecture and lab.

Grading:
Grades will be assigned according to the following scale: (Your percentage would depend upon what you do.)

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

Grade Based on:

Homework/Quizzes:	20%
Test One:	20%
Test Two:	20%
Test Three:	20%
Final Exam:	20%

Description of Major Deliverables/Course Requirements:

Class Schedule: (see last page)

Evaluations (Fall & Spring)
Student evaluations of a course and its professor are a crucial element in helping faculty achieve excellence in the classroom and the institution in demonstrating that students are gaining knowledge. Students may evaluate courses they are taking starting on the Monday of the thirteenth week of instruction through the end of finals week by logging in to myUCA and clicking on the Evals button on the top right.

Policies and Procedures:

Attendance and Drop policies:
Attendance is important for this class; much of the assigned work in done in class. I will take roll every class period. More than 6 absences without explanation will result in the student being dropped from the class with a WF. Only excused absences will be allowed for test makeup. There will be no excuses for projects not being turned in on time (one can always slide those under my door). I will not accept homework from an absent student.

Assignment Submission:
Homework is due at the **beginning** of the class before the lecture begins. Assignments turned in after class starts are considered late and graded accordingly. Do not wait until you get to class to complete or print an assignment. Often the printer will be down or some other problem will arise and your work will be counted late. If it is not turned in then, it is late. It will be accepted only until the beginning of the very next class (a few HWs may not be turned in late at all). The penalty is 15%.

Makeup Exams:

Makeup exams will not be given during the semester. With proper excuse, they will be administered in the last week of classes.

Classroom Policies:

Computer Lab Rules:

- No Food, Drink, or Tobacco Allowed. Please properly dispose of these items before entering the lab.
- Clean Up Your Work Area. Throw away trash, straighten equipment, and push in your chair. Keep work area neat.
- Talk Quietly. Others around you are trying to work.
- The Printer Is Not A Copy Machine. If you need more than one copy, print one copy and use a copy machine for the others.
- Log Out And Turn Off Your Computer. This ensures that you are logged out of the system and the next student can use the computer. It also ensures you can get back into the system from somewhere else on campus.

Academic Integrity Statement:

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

Disabilities Act Statement:

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.

Sexual Harassment and Academic Policies:

All students are required to familiarize themselves with the University of Central Arkansas policy on sexual harassment and on academic policies. These policies are printed in the Student Handbook.

Emergency Procedures Summary (EPS):

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at http://uca.edu/mysafety/bep/. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.

Title IX

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member, the faculty member cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs and the obligation to conduct an investigation will depend on those specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. For further information, please visit: https://uca.edu/titleix.

Other Required Materials/Competencies/Resources:

None

Accreditation & Assurance of Learning

Learning Goal(s) Assessed in this Class

_X__ There is no formal assessment activity scheduled in this class.

___ There is formal assessment activity scheduled in this class.

Learning Goals:

N/A

Learning Objective:

N/A

Measure:

N/A

Benchmark:

N/A

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Course Syllabus
Fall 2014

Month	Date	Chapter	Topics	Readings
Aug	25	1	Introduction to Java; Java Programming Basics	2-43
	27	1	OO Programming, Errors	44-49
Sep	1		**LABOR DAY**	
	3	2	Java Strings	58-70
	8	2	Data Types (Primitive) and Expressions	71-87
	10	2g	Interactive Programs	87-95
	15	2g	Introduction to Applets	95-103
	17	3	Java Objects; String Class; Random Class	114-122; 126-129
	22		***Test One***	
	24	3 6.6	Packages; Math Class; Formatting Output; Wrapper Classes; Dialogue Boxes	122-125; 129-137; 141-142; 291-293
	29		Lab	
Oct	1	3	Applets, continued	
	6	4	Java Methods	160-169
	8	4	Java Classes	169-182
	13		Java Classes II	
	15	5	Conditional Programming: if Statements	208-216
	20		***Test Two***	
	22	5	if-else and Nested if Statements	216-226
	27	5/6	Comparing; switch statements	226-229; 270-275
	29	5	While loop	230-244
Nov	3	6	do and for Statements	275-285
	5	8	Arrays	380-392; 402-404
	10	3g	Graphics II: Frames, Panels, and Images	143-153
	12		***Test Three***	
	17	4g	Graphical Objects	182-190
	19		GUIs	191-199
	24	5g	Event Sources/Checkboxes/Buttons	248-259
	26		**THANKSGIVING BREAK**	
Dec	1	7	Static Classes/Aggregation and Interfaces	302-309; 310-327
	3		Review, Last Day	