

IS 3816 Syllabus
Managerial Applications of Object Oriented Programming 2

Professor: Brian Lawton
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Course Description:

This course expands object-oriented skills taught in INFSYS 3806. The emphasis in this course is on object-oriented development tools and development in a client-server environment. The data management tools will include the use of SQL to access backend databases.

Textbook

(3806/3816) "Head First Java " Your Brain on Java - A Learner's Guide ;

(3806/3816) "Java: A Beginner's Guide", 4th Ed. (Paperback)

(3816) "Simply Java Programming: An Application Driven Tutorial Approach"
(Optional)

Evaluation

A letter grade will be assigned based on performance in two exams and three programming assignments. The exams and assignments will be weighted as follows:

2 Assignments	40%
Midterm Exam	20%
Presentation	20%
Final	20%

The due date for each assignment will be indicated on the assignment located under the links section.

IS 3816 Tentative Schedule

WEEK	TOPIC
01	Review Java Overall Concepts JVM, JRE, JDK

02	Review Language Basics Selection and Control Structures
03	Inheritance and Polymorphism put into practice
04	Inheritance and Polymorphism put into practice
05	Reading and Writing to files using Object Writer
06	Reading and Writing to files using Text Writer
07	<i>Exam 1</i>
08	GUI with Java Swing and AWT
09	Connecting to databases
10	Writing SQL in code with Java
11	Pulling it all together, Java, SQL and Database read and updates
12	Advanced topics JSPs, Servlets,
13 & 14	Presentations on Advanced topics
15	Review, Evaluations
16	<i>Exam 2 FINAL (TBD 7:45p.m. - 9:45p.m.)</i>

Student Disability:

If anyone has a health condition or disability, which may require accommodations in order to effectively participate in this class, please let me know. This information will be kept strictly confidential.

Academic Dishonesty Guidelines: (from Academic Affairs website, revised May 2003)

Students at the University of Missouri-St. Louis are expected to exhibit the highest standards of academic integrity. An act of academic dishonesty is an offense against the university. For that reason, university rules prescribe disciplinary as well as academic consequences for academic dishonesty.

The bulletin and student planner provide guidelines for appropriate academic conduct. The following procedures guide the campus in upholding the University of Missouri Collected Rules for Student Academic Conduct. Academic Dishonesty is defined by Collected Rule 200.010 STANDARD OF CONDUCT

(<http://www.system.missouri.edu/uminfo/rules/programs/200010.htm>).

Academic dishonesty, such as cheating, plagiarism, or sabotage:

The Board of Curators recognizes that academic honesty is essential for the intellectual life of the University. Faculty members have a special obligation to expect high standards of academic honesty in all student work. Students have a special obligation to adhere to such standards. In all cases of academic dishonesty, the instructor shall make an academic judgment about the student's grade on that work and in that course. The instructor shall report the alleged academic dishonesty to the Primary Administrative Officer.