

# **ISM 6257: INTERMEDIATE BUSINESS PROGRAMMING (Spring 2018)**

## **Course Description and Objectives**

This course is designed to teach Java as a tool for business system implementation. The emphasis of the course is on programming constructs and object-oriented concepts. The tentative list of topics that will be covered in this course are:

- Basic Programming concepts - variables, arrays, control structures (if statements, select statement, loops), procedures (subroutines and functions)
- Object-oriented concepts - classes and objects, encapsulation, inheritance, polymorphism
- Graphical User Interface – controls and event-driven programming

## **Assurance of Learning**

Each program at the Warrington College of Business Administration has developed goals and objectives that express the most valued skills and knowledge that students should be able to demonstrate upon completion of the total learning experiences in that program. The following goals and objectives are specifically mapped to ISM6257.

The ISOM program goals and objectives that apply to this course are:

Goal 1: Our graduates will be knowledgeable in core Information Technology, Decision Support, and Analytical Skills.

1A. Students will demonstrate competency in Business Programming Concepts.

## **Instructor**

Dr. Seema Bandyopadhyay

**Office:** Room 356, Stuzin Hall

**Phone:** 352 392-7672

**Email:** Use Canvas Mail (**best way to contact me**)

## **Recommended Textbook**

- Introduction to Java Programming, Brief Version by Daniel Liang. 10<sup>th</sup> or 11<sup>th</sup> Edition. Prentice Hall.

## Required Software

Most recent version of J2SE and Netbeans. All of this course's software is free and can be downloaded from the course website.

## Course Website

This course is administered on CanvasE-Learning System. You can login in with your gatorlink username and password and then click on ISM 6257. Lecture notes, homework, announcements, grades etc. will all be posted on Canvas. I will use Canvas email to contact you. **Please make sure to check Canvas at least once a day for any important information about the course.**

## Grading

|  |     |
|--|-----|
| Midterm Exam                             | 30% |
| Final Exam (Comprehensive and Mandatory) | 30% |
| Quizzes                                  | 25% |
| Programming Assignments                  | 15% |

**Exams:** The exams will be designed to test both your conceptual understanding and programming ability. The midterm exam date will be announced in class and on E-Learning at least two weeks in advance. The final exam will be as per the final exam schedule published at <http://www.cba.ufl.edu/academics/exams.asp>.

**Programming Assignments:** Assignments are designed to reinforce in-class lectures and to promote some creative thinking. There will be about 4-5 assignments (some may be worth more points). **Some requirements in the assignments may require you to do further reading.**

**Quizzes:** **There will be a quiz almost every day of the class and the lowest quiz score will be dropped.**

The grades for this course will be based on a curve. This means the grade that you get for this course will depend on your relative rank in the course (all sections combined). As per college norms, the grading will maintain a *maximum* mean grade point average of 3.50 (*for example*, 20% A, 20% A-, 50% B+, 10% B is one possible distribution). Grades of C+, C and below can and will be given when student performance warrants.

## Course Policies

- **Attendance:** Attendance is not compulsory but you are responsible for all material covered in class. If you miss a class, **it is your responsibility to find out** about what any announcements made or assignments given in the class **from other students** in the class.
- **Laptop policy:** Bring your laptop every day to class, but **do not use your laptop in the classroom unless you are instructed to do so.** Each time you use laptop or any other electronic device in class without my permission, **you will lose 1% of your total grade.** So if you use your laptop 5 times without my permission, you will lose 5% of your total grade.
- **Electronic Devices:** PDAs, and other mobile computing devices must be turned off during lectures and tests. Ringer on your cell phone must be turned off before coming to class and absolutely no phone calls during the class.
- **Quiz policy:** **You have to be present in the class to take the quizzes. If you take the quiz from outside the classroom, your score will be reset to 0 and it will be considered as cheating.**
- **Late Assignments:** Assignments must be turned in on time. **No late assignments will be accepted (no exceptions, including interviews).**
- **Makeup Policy:** Makeup quizzes/exams will be given **only** under following circumstances:
  - **Medical Emergency** (regular medical appointments do not constitute an emergency) if you provide me with a note from your doctor's office saying that you were not fit to attend the class on the day of the quiz/exam. A note just showing that you went to see a medical practitioner will not be considered enough. You are required to provide this note to me on the day you return to class.
  - **Interview:** Do not schedule an interview on the day of the quiz/exam. If you are called for an interview that conflicts with the date and time of a quiz/exam, you must first try to reschedule the interview. If it is absolutely impossible to reschedule the interview, I will give you a makeup only if you provide me with a copy of (1) the interview call letter clearly showing the date, time and location of the interview, (2) a written proof from your employer saying that the interview could not be rescheduled at another date/time, and (3) a written proof that you actually attended the interview. You are also required to let me know in written of these conflicts at least one week in advance and provide all the above proofs on the day you return to class or within one week from the date of the interview (whichever happens first).

**Note that all makeup quizzes will most likely be given in the seventh or eighth week of the module and may be comprehensive in nature.**

- **Re-grading:** You may request a re-grade on any assignment/quiz/exam if you wish. **Please turn in a written appeal** that specifies the question and a brief explanation of why the grading is incorrect. I will not accept any appeal without sufficient proof. Use your textbook, sample programs, Java API documentation as a reference when writing your appeal. **You should first approach the TA with the re-grade request.** Only if the TA is not able to resolve the problem, please contact me. **All requests must be made in written within one week of the date the assignment, quiz or exam score is released on Canvas.**

Be warned that *a re-grade can lower your grade* if I or the TAs feel that too many points were awarded.

- **Extra Credit Work:** There will be **no extra credit work available** at any time for any part of the coursework.
- **Academic Integrity:** Plagiarism and Cheating of any kind on an examination, quiz, homework or project will not be tolerated. For any academic class activity, students must follow the University of Florida Student Honor Code. Any violation of the honor code **will** automatically result in a grade of E (Fail) for this course and further sanctions that may include a suspension or expulsion from the University through the Dean of Students Office. All incidents **will** be reported to Student Conduct and Conflict Resolution at the University of Florida.

**Following is a Tentative Schedule. I will try to follow it as closely as possible but it is subject to change.**

| <b>Week</b> | <b>Topic</b>                       |
|-------------|------------------------------------|
| <b>1</b>    | Course Introduction<br>Java Basics |
| <b>2</b>    | Java Basics, cont.                 |
| <b>3</b>    | Arrays<br>Functions                |
| <b>4</b>    | Functions, cont.<br>Midterm Exam   |
| <b>5</b>    | Classes and Objects                |
| <b>6</b>    | Inheritance and Polymorphism       |
| <b>7</b>    | GUI Development<br>Review          |
| <b>8</b>    | Final Exam                         |