



Course ITSS 3211 – Introduction to Programming
Instructor Jyotishka Ray
Term Summer 2016
Meetings Mondays, 6 p.m. – 8:45 p.m.
Room JSOM 12.202

Instructor: Jyotishka Ray
Email: jxr114030@utdallas.edu
Office: JSOM 3.222
Office Hours: Tuesdays 2 to 3 p.m. and by appointment
TA: Heeseung Lee hxl152530@utdallas.edu

Prerequisites

There are no prerequisites for this course.

Course Description

The primary objective of this course is to introduce students to the fundamental concepts and techniques of object-oriented programming in Java programming language using a popular integrated development environment (IDE). (2 semester hours)

Learning Outcomes

1. Students will be introduced to **Eclipse** that is currently the most popular Integrated Development Environment (IDE) for Java development. Students will be able to effectively use the IDE to create projects, write programs, compile, and run their Java programs.
2. Students will develop programming skills to write programs in Java.
 - Students will acquire basic skills of programming using different programming techniques such as selections, loops, etc., with basic data structures like arrays.

Required Hardware & Software

1. Laptop REQUIRED (Windows or Mac OS) from first day of class
2. The following software is required from first day of class

Java JDK - Java SE 7 Update 45

For Window OS Users: Edition: Standard Edition (SE), Version: 8, Update: 45

- Important Note: Many editions, versions, and updates of Java JDK are available for downloads. Students must be sure that the correct version of Java JDK is selected, downloaded, and installed.
- There are 2 versions of the Java JDK, 32-bit and 64-bit, available for downloads. Students should try to install the 64-bit version. However, you can install the 32-bit version if you prefer
- Free download of Java JDK – Java SE 8 Update 45 Link:
<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
 - Choose: Java SE Development Kit 8u45

- Java JDK file name to download for 32-bit: Windows x86
- Java JDK file name to download for 64-bit: Windows x64
- Java JDK file name to download for Mac: Mac OS X x64

Eclipse IDE for Java Developers

- Free download of Eclipse: <http://www.eclipse.org/downloads/>
- Important Notes: Many packages of Eclipse IDE are available for downloads. Students must be sure that the correct package of Eclipse (Eclipse IDE for Java Developers) is selected, downloaded, and installed.
- The version of Eclipse IDE must be compatible with the version (32-bit or 64-bit) of the Java JDK. If the 32-bit Java JDK is installed, Eclipse IDE of 32 bits must be used.

Required Text & Materials

Introduction to Java Programming, Brief Version, 10th edition, Y. Daniel Liang

ISBN-13: 978-0-13-359220-7

ISBN-10: 0-13-359220-0

Supporting Information

1. Suggested tutorials: <http://docs.oracle.com/javase/tutorial>
2. Supplemental Notes will be posted on eLearning course site
3. All the required software applications are currently available in JSOM labs PCs. Students can use these PCs for their class work whenever the labs are open.
4. Step-by-step details on how to install the above required software applications will be provided in class.

Course Schedule, Assignments, and Due Dates

This is a tentative class schedule; changes to the schedule will be posted in eLearning.

WEEK	DESCRIPTION	READINGS
5/23/16	Course Overview Introduction to Eclipse IDE Basics of JAVA Installation of JDK and Eclipse by 5/28/16	Chapter 1
5/30/16	NO CLASS ON MONDAY 5/30/16 MEMORIAL DAY HOLIDAY	
6/6/16	Elementary Programming in JAVA Project 1, due by Saturday 6/11/16, 5 PM	Chapter 2
6/13/16	Selection Statements	Chapter 3
6/20/16	Functions, Characters, and Strings	Chapter 4

	Project 2, due by Saturday 6/25/16, 5 PM	
6/27/16	Midterm Exam	Ch 1 to Ch 4
7/4/16	NO CLASS ON MONDAY 7/4/16 INDEPENDENCE DAY HOLIDAY	
7/11/16	Loops	Chapter 5
7/18/16	Methods Project 3, due by Saturday 7/23/16, 5 PM	Chapter 6
7/25/16	Single-Dimensional Array	Chapter 7
8/1/16	Review Session Project 4, due by Saturday 8/6/16, 5 PM	
8/8/16	Final Exam	Ch 5 to Ch 7

Assignment Guidelines

- All reading is to be completed before class on the date posted.
- Assignments must adhere to the APA style guide of formatting, citing, and referencing.
- Descriptions of assignments will be posted as they are assigned.
- The exams will consist of multiple choice, and True or False. The final exam is not comprehensive.
- No extra credit assignments are available
- General grading criteria can be found in eLearning. Assignment specific grading criteria will be included with the assignment instructions.
- **All assignments will be submitted via eLearning. I do *not* accept assignments via email. If you submit an incorrect assignment or need to resubmit your assignment in eLearning you will be allowed to resubmit as long as it is before the due date. Send me an email prior to the due date and I will clear your submission. Upon doing so, you will be able to resubmit.**

Grading

Grading Scheme

Grade Component	Points
Installation of JDK	1%
Installation of Eclipse	1%
4 Programming Projects	40%
Midterm Exam	25%
Final Exam	25%
Course Attendance/Participation	8%
Total	100%

Scoring

Final Point Total	Letter Grade
93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
0-59	F

Course & Instructor Policies

eLearning will be used for class content (e.g., class slides and assignment descriptions) and the recording of grades. Slides will be posted before class. Class announcements (e.g., change in assignment dates) will also be posted.

Instructor Response Policy: The instructor will respond to all student inquiries (emails, voice messages, etc.) within 48 hours (excluding holidays and weekends).

Attendance Policy: Attendance is extremely important. Students are expected to attend all classes in order to achieve maximum success. Attendance will be taken and used in consideration for the Participation grade; however, this grade will also reflect the instructor's judgment of the value of contributions to class discussion. There is no makeup for missed in-class assignments.

Late Work: All assignments are due on the specified date provided in the Course Schedule. I do not accept late assignments unless *prior* arrangements have been made with the instructor.

Academic Integrity: The University is committed to academic excellence and expects academic honesty from all members of the University community and believes that it is essential for academic excellence and integrity. Academic honesty includes adherence to guidelines established by the instructor in a particular course for both individual and group work. It prohibits representing the work of others to be one's own (plagiarism); receiving unauthorized aid on an assignment (cheating); and using similar papers or other work products to fulfill the obligations of different classes without the instructor's permission. Penalties for academic dishonesty may include a grade of "F" on the work in question or for the course. In addition, any student engaged in academic dishonesty will be subject to disciplinary action. Please refer to the General Policies website (see below) for detailed information pertaining to academic dishonesty, including procedures for determining disciplinary action.

WORKING TOGETHER on Individual Assignments: This course will have a considerable amount of computing work for application assignments. Each student, is expected to do their own work on the

"individual" assignments. **Copying another student's work (computer files) or having another person do your work is scholastic dishonesty and will be dealt with accordingly.**

General Policies & Procedures

For information regarding general University policies and procedures, please go to <http://go.utdallas.edu/syllabus-policies>. These policies include the following:

- Technical Support
- Field Trip Policies, Off-Campus Instruction and Course Activities
- Student Conduct and Discipline
- Academic Integrity
- Copyright Notice
- Email Use
- Withdrawal from Class
- Student Grievance Procedures
- Incomplete Grade Policy
- Disability Services
- Religious Holy Days
- Avoiding Plagiarism