

St. Charles Community College

CPT-189 Java Programming

Rex McKanry

TECH 205-F

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General Course Information

CATALOG DESCRIPTION: Essentials of Java programming with emphasis on object-oriented features. Explores inter-relationship of Java and the Web. This class will provide students with the opportunity to master basic fundamentals of the Java programming language, to understand Object Oriented Design (OOD), and Object Oriented Analysis (OOA).

Credit Hours: 3

TEXT (required):	D.S. Malik
	Java Programming From Problem Analysis to Program Design
	Course Technology, Boston, MA; 2013
	ISBN-13: 978-1-111-53053-2

Time of Class: Fall 2016

Sec. 80	W	7:00 pm – 9:50 pm	Tech 214
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Instructional Goals: This class will provide an environment where the College's goals for students in the areas of Critical Thinking, Writing Across the Curriculum, and Computer Literacy are practiced. These will be utilized in a variety of ways throughout the course.

Course Objectives:

- Students will develop error free Java Application using object orientated design and analysis
- Students will demonstrate an understanding of programming standards through chapter quizzes and application development
- Through project creation, students will create graphical user interfaces (GUI)demonstrating a knowledge of design and programming
- Students will demonstrate an understanding of event driven programming fundamentals

College Campus Services

Special Needs Accommodations:

We all have various channels through which we learn best. The College has an Office of Accessibility Services that guides, counsels, and assists students with disabilities. It is located in Room 133 of the Student Center. It is your responsibility to discuss with the instructor during the first week of class anything needed to help you succeed. If you have special needs, please call Paige

George (636-922-8247) in the Office of Accessibility Services so that your eligibility for services can be determined.

Mental Health/Counseling Service for Students:

St. Charles Community College offers the opportunity to address your concerns with a FREE mental health counselor on campus. SCC has a well-trained professional to help with a wide range of concerns common to college students including anxiety, eating concerns, alcohol/drug issues, relationship concerns, academic stress, suicidal thoughts, sexual and LGBT concerns. Our mental health counselor will offer short-term counseling, community support and referrals. Please contact Teresa Drury at 636-922-8536 or tdrury@stchas.edu in the mental health office to set an appointment. The office is located in the Administration Building, room 1242. Sometime a student may require care beyond the scope of our counseling center and in these situations, students will be assisted with establishing care off campus. **Safety Consideration after Night Classes:**

It is highly recommended that students park in the same designated lot, to be agreed upon the first night class, and walk out together as a group when class is over. Although any students who wish to contact campus security to walk them to their car may do so.

Campus Closings:

For up-to-date information on closings due to inclement weather or other emergencies, call 636-922-8000, log on to www.stchas.edu, *Twitter*, receive a text (if you signed up), or <http://www.facebook.com/stchas>.

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What the teacher expects from each student

Attendance Policy:

You should attend all class meetings for classes in which you are enrolled. The college has no plan of recognized class 'cuts' or absences. You should attend all class meetings in which you are enrolled. Excessive absence may be sufficient cause to fail the course. For distance classes, "attendance" will be defined as active participation in the course as described in the individual course syllabus. The final decision as to what constitutes excessive absence from a class is left to the instructor and will be outlined in the course syllabus. Students should discuss any absences with their instructor.

Class Absence Policy:

The fact that some of this course is hands-on makes attendance at class even more important. If absence is unavoidable, the student is expected to have the textbook material read and any homework assignments completed before returning to the next scheduled class. Failure to do this will cause the inability to keep up with the class material being discussed.

DO NOT call or e-mail me to find out what we covered in a class that you missed (or are going to miss). This information should be obtained from the course timetable, Canvas and/or a classmate.

Course Requirements

- Read the text as assigned before the class time table (at end of syllabus)
- Complete and turn in –on time— all assignments
- Attend lectures and participate in class discussion
- Bring to each class:
 - A writing instruction
 - Paper for notes
 - A USB drive (or other storage device) for saving your programs

What the student can expect from the teacher

Office Hours:

Tuesday/Thursday 7:30 – 8:30 am

Wednesday 3:00 – 4:00 pm

Wednesday 5:00 – 7:00 pm

Office hours are either in person or via Skype Business (rmckanry)

Also available by appointment

Faculty Responsibility:

As a faculty member, I am deeply invested in the well-being of each student I teach. I am here to assist you with your work in this course. If you come to me with other non-course-related concerns, I will do my best to help. It is important for you to know that all faculty members are mandated reporters of any incidents of sexual misconduct. That means that I cannot keep information about sexual misconduct, stalking, relationship violence, or sexual harassment confidential if you share that information with me. SCC's Title IX Coordinator, Sylvia Edgar, can advise you confidentially as can SCC's Licensed Therapist. Sylvia can also help you access other resources on campus and in the local community. You can reach Sylvia at x8654 or sedgar@stchas.edu, and her office is in ADM 1242. SCC's Licensed Therapist can be reached at x8571.

SCC's Prohibition of Discrimination, Harassment, Sexual Harassment and Violence Board Policy is available on-line at www.stchas.edu/titleix; this includes policies, definitions, procedures and resources.

Returning assignments/tests to the student:

Graded papers and exams will be returned to students as soon as is reasonably practical. Normally this will be within one week, but could be longer in unusual circumstances.

Grading:

Grading Scale		Activity Weight	
A	93-100	Chapter Projects	30%
B	85-92	Chapter Quizzes	15%
C	75-84	Attendance	15%
D	65-74	Midterm Exam	20%
F	below 65%	Final Exam	20%

All written work

All written work for this class must be done using proper grammar and punctuation. Writing skills are crucial to your future success, and these types of assignments are one way to practice those skills. Regardless of your personal knowledge of any subject, if you cannot write about it using good writing skills, then no one else can know how much you know about it.

Up to 15% of your assignment grade could be lost if proper writing skills are not demonstrated. If you need writing skills help, SCC provides an excellent resource for you. Contact the ACE Center or your instructor if you require assistance in this area.

Chapter Projects:

For each chapter, there will be one (or more) hands-on projects associated with the chapter being discussed. These assignments cannot be made up. The lowest grade in this category will be thrown out, so missing one will not directly affect your grade.

Exams:

All chapter exams will be completed in Canvas, outside of the classroom. It is the student's responsibility to take each test by the designated dates. Waiting until the last hour to take a test, then having problems with your computer, the Internet, Canvas, or anything else, is not acceptable. Do not wait until the last possible hour to take each test—plan ahead.

***See the Tentative Time Table and Canvas
for absolutely last dates each test can be taken
(based on chapter number).
No time extensions will be allowed.***

The Final Exam will be taken in the classroom during Final Exam Week. The Final Exam will be discussed in more detail during class.

Late Assignments:

Any assignments handed in late will be graded as normal and then a 10% Late Penalty will be deducted. This means if you score a 90 on an assignment that is late an additional 10% or 9 points will be deducted giving you an 81 for the assignment.

Withdrawal dates and related policies dates

Last day to change from credit to audit or audit to credit	Sept 16
Last day to drop and receive a "W"	Oct 28
Apply for December 2016 Graduation	Sept 23
Apply for March/May 2017 Graduation	Dec 9

Tentative Time Table

Tuesday	Chapter	Topic	Quiz/Chap Projects Due
Aug 24	1	Introduction to the course and An Overview of Computers and Programming Languages	
Aug 31	2	Basic Elements of Java	Chap 1
Monday Sept 5		No Class (Yeah!)	
Sept 7	3	Introduction to Objects and Input / Output	Chap 2
Sept 14	4	Control Structures I: Selection	Chap 3
Sept 21	5	Control Structures II: Repetition Control Structures II: Repetition ☺	Chap 4
Sept 28	6	Graphical User Interface (GUI) and Object-Oriented Design (OOD)	Chap 5
Oct 5		Midterm Review	
Oct 10 – Oct 11		Fall Break, No Class	
Oct 12		Midterm Exam	
Oct 19	7	User-Defined Methods	Chap 6
Oct 26	8	User-Defined Classes and ADTS	Chap 7
Nov 2	9	Arrays	Chap 8
Nov 9	10	Inheritance and Polymorphism	Chap 9
Nov 16	11	Handling Exceptions and Events	Chap 10
Wednesday Nov 23 – Sunday Nov 27	No Classes Happy Thanksgiving (eat lots!)		
Nov 30	12	Advanced GUIs and Graphics	Chap 11
Dec 7	Extra	Database Connections	Chap 12
Dec 14	Final Exam (Don't be too nervous) Our Final will be on December 8th during class.		