CSC142, OBJECT ORIENTED PROGRAMMING
Hybrid Class
Winter 2015 Syllabus

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Office Hours: Tuesday and Thursday 11:00 AM - 12:00 PM (or by appointment)

This hybrid class meets **Tuesday and Thursday at 9:00 a.m - 10:25 p.m.** in Room OLY102; this class also uses Canvas online-class for problem solving exercises, discussions and for delivering the content and resources for this class. Prerequisites: CSC110 with 2.0 or better and MATH 141 with 2.0 or better.

See this for more info on hybrid classes: http://www.southseattle.edu/news/2014/hybrid-classes.aspx

Covers the general principles of modern programming, including how to design, implement, document, test and debug computer programs. Based on Java. Covers objects, messages, expressions, statements, methods, classes, conditionals, iterations, arrays and collections.

Course Outcomes and Objectives

Upon successful completion of this course, the student will be able to demonstrate the following:
1. An acquired knowledge of fundamental principles, themes, and issues central to the field of computer science.
2. Modern programming techniques and methods.
3. Applications of both the structured and object-oriented paradigms.
4. Understanding of the syntax of so-called “curly-brace” programming languages.
5. Ability to identify and classify control structures common to all programming languages.
6. Proficiency in writing programs using Java by understanding variables, methods and class construction.
7. Application of these principles in the development non-trivial software systems.

SLO #	**Included in Course Objective Number**	SSCC Student Learning Outcomes
SLO 2.1	2	Computation - Use arithmetic and other basic mathematical operations as required by program of study.
SLO 2.2	2	Computation - Apply quantitative skills for academic and career purposes.
SLO 4.1	1 , 3	Critical Thinking—Think critically in evaluating information, solving problems, and making decisions.
SLO 5.1	5	Technology - Select and use appropriate technological tools for academic and career tasks.
SLO 6.3	4	Personal Responsibility – Attend class regularly, complete assignments on time, and effectively participate in classroom and online discussions, group work, and other class-related projects and activities.

Assessment

There will be three quizzes for 25 points each (3x25 = 75 points), four programming assignments for 25 points each (4x25 = 100 points), a total of 22 class exercises for 5 points each (2 per week), with the lowest 2 scores dropped (20x5 = 100 points), and a comprehensive final exam (50 points). These add up to a total of 325 points.
Quizzes require recognition of how Java code works, and/or brief compositions of Java code. Multiple choice and short answer questions can also appear on these quizzes.
Class exercises are assigned and graded on a weekly basis. You need to complete and submit these by the specified deadline during the week in which these are assigned.
There are no makeup or redos for quizzes, final exam and in-class exercises. You must make arrangements with the instructor *prior* to the due date to complete these activities, if you know in advance that you will be missing these deadlines.

Homework assignments require design, implementation and execution of Java programs. Your code must be submitted electronically, using Canvas online, as detailed on each assignment. It must be readable and match the exact problem specification in order to receive full credit.
In general, assignments submitted after the due date will be discounted 2.5 points, plus 2.5 points per additional calendar day late. No work is accepted after the last class meeting during finals.
Class Participation: Discussions with your fellow classmates are often very instructive. They are very much encouraged in this class. Make use of Canvas online discussions to participate outside of the classroom.

Student Absences for Reasons of Faith or Conscience

Students are entitled to two days of excused absences per academic year for reasons of faith or conscience or for organized activities conducted by a religious organization. These absences will not affect your grade, but it is your responsibility to inform your instructor about the planned absence and to make arrangements to complete the course work for those days. You must request the excused absence two weeks' prior to the date of the absence. If you wish to request an absence for reasons of faith or conscience, you may obtain a form and guidelines for completing the form from the Academic Program office.

Grading

There are 325 total possible points (see above). Grading is as follows:

Percentage	GPA	Percentage	GPA	Percentage	GPA	Percentage	GPA
95 – 100%	4.0	86%	3.1	77%	2.2	68%	1.3
94	3.9	85	3.0	76	2.1	67	1.2
93	3.8	84	2.9	75	2.0	66	1.1
92	3.7	83	2.8	74	1.9	65	1.0
91	3.6	82	2.7	73	1.8	Below 65%	0.0
90	3.5	81	2.6	72	1.7		
89	3.4	80	2.5	71	1.6		
88	3.3	79	2.4	70	1.5		
87	3.2	78	2.3	69	1.4		

An "I" (incomplete) grade is given only at the discretion of the instructor when the student has attended regularly, has completed satisfactory work and furnished satisfactory proof that work cannot be completed because of illness or other circumstances beyond the student's control.
An "NC" (no credit) grade indicates the student did not fulfill the requirements for receiving a numerical grade. An NC does not affect a student's GPA. It is not given as a substitute for a lower grade.

Books and Materials Required

Building Java Programs: Skills, A Back to Basics Approach, 3rd Edition, by Stuart Reges and Marty Stepp
Here is the textbook website for students: www.buildingjavaprograms.com
Next you will need a way to compose, compile, and run Java programs. We will be using Eclipse: www.eclipse.org
Eclipse will require installation of the Java Development Kit (JDK) which can be obtained for free from Oracle:
http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html

Computer Labs and Tutoring

Open computer lab in Library: http://www.southseattle.edu/computer-labs/default.aspx
For tutoring help, fill out a tutor request form (RSB Room 18): http://www.southseattle.edu/tutoring/Default.aspx

Instructor's Expectation

My role as the instructor is to

- Help students succeed in this course;
- Share my knowledge and experiences to help expand on concepts discussed in the course;
- Provide timely feedback to students;
- Moderate discussions and challenge students to further their knowledge; and
- Evaluate and grade students.

As a student in this course, I expect you to

- Work hard to achieve the goals of the course;
- Actively contribute to any discussions;
- Share your thoughts, knowledge and experiences;
- Complete your work in a timely manner;
- Cooperate and collaborate with other students; and
- Provide feedback to me throughout the course.

Student Conduct

For more on this conduct and other valuable information, please refer to The SSC Student Handbook.

Equal Opportunity Statement and Accommodation

South Seattle College is committed to the concept and practice of equal opportunity for all its students, employees, and applicants in education, employment, services and contracts, and does not discriminate on the basis of race or ethnicity, color, age, national origin, religion, marital status, sex, gender, sexual orientation, gender identity, veteran or disabled veteran status, political affiliation or belief, citizenship/status as a lawfully admitted immigrant authorized to work in the United States, or presence of any physical, sensory, or mental disability, except where a disability may impede performance at an acceptable level. In addition, reasonable accommodations will be made for known physical or mental limitations for all otherwise qualified persons with disabilities.
For more info http://www.southseattle.edu/campus-information/equal-opportunity.aspx

Academic Honesty

Cheating, plagiarism, copying code and other forms of academic dishonesty are unacceptable behaviors at South Seattle College and may result in a failing grade for that particular submission, and further disciplinary action if subsequent instances of cheating are observed.

Disability Support Services

The mission of Disability Services is to support the college in its efforts to provide physical and programmatic access to students with disabilities. This is carried out within the overall goals and mission of the Seattle College District.
Disability Services provides academic accommodations for students with a documented, permanent or temporary physical, mental or sensory disability. By providing reasonable academic adjustments based on an individual's need for services, Disability Services assists students in pursuit of their academic goals at South Seattle College. The DRC office is located in RSB 12. Student contact is Rose Kolovrat (Rose.Kolovrat@seattlecolleges.edu) - (206) 934-5137. Please visit DSS website for more info: http://www.southseattle.edu/disability-support/Default.aspx

Public Safety

The South's Public Safety and Security Department provides personal safety, security, crime prevention, and other services to the campus community. They are located in RSB 50 and can be reached at: 206-934-5157.
For more info: http://www.southseattle.edu/safety/default.aspx

Calendars

Academic Calendar: http://www.southseattle.edu/calendar/quarterly-calendar2.aspx
Holidays: http://www.southseattle.edu/documents/calendar/2013_2014_holiday_schedule.pdf
Finals Schedule: http://www.southseattle.edu/calendar/finals-schedule.aspx

Course Calendar

Please note: This syllabus was constructed as a tentative plan for how this course will proceed. Circumstances or conditions may arise requiring alteration of topics, schedules, activities, materials etc. The instructor reserves the right to make any changes as deemed necessary.

Class Dates	Topics	Reading	Assign Due	Quiz
1/615 1/8/15	Introduction to JAVA Programming	Chapter 1		
1/13/15 1/15/15	Primitive Data and Definite Loops	Chapter 2		1
1/20/15 1/22/15	Introduction to Parameters and Objects	Chapter 3	1	
1/27/15 1/29/15	Graphics	Chapter 3G		
2/3/15 2/5/15	Conditional Execution	Chapter 4		2
2/10/15 2/12/15	Conditional Execution	Chapter 4	2	
2/17/15 2/19/15	Program Logic and Indefinite Loops	Chapter 5		
2/24/15 2/26/15	File Processing	Chapter 6		3
3/3/15 3/5/15	Arrays	Chapter 7	3	
3/10/15 3/12/15	Classes	Chapter 8		
3/17/15 3/19/15	Classes Final Exam: **Thursday 3/19/15 9:00 am - 10:25 pm** *Please note that final exam time is different from our usual class time*	Chapter 8 All	4	Final Exam