INSTRUCTOR: Cynthia Lee-Klawender
        (http://www.deanza.edu/faculty/leeklawendercynthia/)
OFFICE HOURS, OFFICE: Mondays and Wednesdays 1:30-2:20 PM (in F41C or AT203);
        Tuesdays and Thursdays 12:50 - 1:15 PM (in F41C and 3:25 - 3:50 (in F41C or
        AT203), or by appointment in F41C (in the L quad between L4 & L6 buildings)
PHONE: (408) 864-8609, E-mail: **LeeKlawenderCynthia@deanza.edu** for questions,
        but submit assignments on Catalyst

ADVISORY: CIS 15BG (Intermediate Programming in C), or CIS 26A (C as a Second
        Language), or CIS 22B, or equivalent

COURSE DESCRIPTION: This course introduces the Java programming language and
        environment. This includes Java primitive types, flow of control constructs,
        operators, objects & classes, interfaces, class libraries and packages. Also
        introduced are Java data structures, exception handling, and text I/O.

COURSE STUDENT LEARNING OUTCOMES:
   • Read, analyze and explain intermediate level Java programs.
   • Design solutions for intermediate level problems using appropriate design
     methodology incorporating object-oriented intermediate programming constructs.
   • Create algorithms, code, document, debug, and test intermediate level Java
     programs.

TEXTBOOK: Introduction to Java Programming, Comprehensive Version, 10/E by Y.
        Daniel Liang ISBN-10: 0133761312 • ISBN-13: 9780133761313
        ©2015 • Prentice Hall (You DON'T NEED MyProgrammingLab access, and you may
        get the 6th, 7th, 8th or 9th editions of Introduction to Java Programming by Liang)

LESSONS: Will be provided online on Catalyst. You need to complete the orientation (see
        http://www.deanza.edu/distance/ for links to the orientation for this course, then
        https://catalyst.deanza.edu to get access to this course on Catalyst).

CLASS NOTES: Assignments and announcements will be posted in Catalyst
        (https://catalyst.deanza.edu). You need to check this site at least 2 times per
        week!

COMPUTER LAB: You may use our computer lab or your own (or another) computer and
        compiler. If you don't use our computer lab, you need to have a Java compiler in
        order to do homework assignments (see lesson 1 in Catalyst for where to get one).
        If you're enrolled in this class, you will automatically have an account in the
        ATC203 BUS/CS Division Open Computer Lab (if you're adding, add online in
        Admissions office, wait about 20 min. before using the open lab). Bring a flash
        drive to the Computer Lab to back up your programs or remember to email to
        yourself.

COURSE OUTLINE (subject to change): This is a hybrid class. Meet in person on
        Tuesdays and Thursdays, 1:30-3:20 PM. The rest will be presented in Catalyst.
        The instructor will be online Fridays, 4:30-5:45 PM.

                Dates   Topics   Resources

Week 1	Apr. 6 - 12	Introduction to Java Overview of Java Applications Java Basics	Catalyst Lesson 1, Txtbk Ch. 1 Catalyst Lesson 2, Txtbk Ch. 2
Week 2	Apr. 13 - 19	Java Control Structures Java Methods	Catalyst Lesson 2, Txtbk Ch. 3 & 5 Catalyst Lesson 3, Txtbk Ch. 4 & 6
Week 3	Apr. 20 - 26	Arrays, Packages Introduction to Object-Oriented Programming and Java Classes	Catalyst Lesson 4, Txtbk Ch. 7 & 8 Catalyst Lesson 5, Txtbk Ch. 9 & 10
Week 4	Apr. 27 - May 3	Java Classes (continued) Class Features	Catalyst Lesson 5, Txtbk Ch. 10
Week 5	May 4 - 10	Strings & Stringbuffers	Catalyst Lesson s 6, Txtbk Ch. 4, 10.10 & 10.11
Week 6	May 11 - 17	Inheritance	Catalyst Lesson 7, Txtbk Ch. 11
Week 7	May 18 - 24	**MIDTERM**	on Txtbk Ch. 1-10
Week 8	May 25 - 31	Object Class – Abstract classes & Interfaces Exception Handling	Catalyst Lesson 7, Txtbk Ch. 13 Catalyst Lesson 8, Txtbk Ch . 12
Week 9	Jun. 1 - 7	Text I/O, Inner Classes Generics Lists, Stacks, Queues	Catalyst Lesson 9, Txtbk Ch. 12, 15.4 Catalyst Lesson 10, Txtbk Ch. 19 Catalyst Lesson 10, Txtbk Ch. 20 & 24
Week 10	Jun. 8 - 14	Set & Maps	Catalyst Lesson 11, Txtbk Ch. 21
Week 11	Jun. 15 - 21	Trees, Hash Tables	Catalyst Lesson 11, Txtbk Ch. 25, 27
Week 12	**Wed., Jun. 24**	**Final Exam 1:45 - 3:45 PM**	Comprehensive

EVALUATION: Prog. Assignments (7)   28% (Each assn. = 4%)
                Participation   12%(inc. meetings*, exercises)
                Quizzes   10%
                Midterm+ Final   50% (Each test = 25%)
                                               100%

MAKE-UP TESTS: NO MAKE-UP TESTS WILL BE GIVEN! Please notify the instructor
        ASAP if you know you will be missing a test.
EXTRA CREDIT:
        Extra credit problems are assigned with each programming homework assignment,
        but are due at the end of the quarter. The problems will be from an online
        program called CodeLab (at www.turingscraft.com , see instructions on Catalyst).
        You may complete none or some or all of the assigned problems. Only the correct
        ones will count. (Note: Extra credit will only be counted if the student is receiving
        less than an A.)

PROGRAMMING HOMEWORK GRADING: Each will be graded as follows:

37 points:	Does the program correctly & completely solve the problem?	
5 points:	Is the listing commented? Is the UML included (if required)? Will I understand what the program is doing? Is the program indented properly?	
8 points:	ON TIME! (1 point deducted starting day after due date + every other day late--CAN'T TURN IN 3 WEEKS after due date!)	

50 points possible (for each assignment)

NOTE: NO ASSIGNMENTS WILL BE ACCEPTED AFTER **FRI., March 27, 11:59 PM**!

WITHDRAWING FROM CLASS: I will not automatically drop anyone from class, even if you stop participating. If you wish to discontinue the class, you must go the Admissions Office yourself to officially drop from the class or you may receive a grade of 'F'.

GRADING BREAKDOWN (adding each score/max-points * weight):

A		Total Percent >=	90.5
A-	87.5	<= Total %<	90.5
B+	84.5	<= Total % <	87.5
B	80.5	<= Total % <	84.5
B-	77.5	<= Total% <	80.5
C+	74.5	<= Total% <	77.5
C	69.5	<= Total% <	74.5
D+	65.5	<= Total% <	69.5
D	60.5	<= Total% <	65.5
D-	57.5	<= Total% <	60.5
F	Total Percent <		57.5