

Course Syllabus

CMPSCI 111 – Introduction to Algorithms and Programming: Java Section #32242 – Fall 2017 Semester

Course Description: This course is an introduction to algorithms, their representation, design, structuring, analysis and optimization. It requires implementation of algorithms as structured programs in a high level language. This course will use Java and students will be expected to write and execute Java programs in the lab section.

When and Where: **Lecture** Tuesday & Thursday 11:00AM - 12:20PM, **Lab** Tuesday & Thursday 12:30PM – 1:50PM, CCC 304

Please check the [CMPSCI 111 Canvas](#) website each week for:

- Important Announcements
- Weekly Lecture Topics
- Weekly Reading Assignments

Instructor: Benjamin Riveira

Office Hours: Monday & Wednesday 12:45 PM – 1:45 PM, Friday 9:00 AM – 11:00 AM Seco Hall 305E (best to Email for an appointment).

Office Phone: ext. 3657

Email: benjamin.riveira@canyons.edu. *Please use your CoC Email address for all correspondence.*

Required Text: *Introduction to Java Programming*, Y. D. Liang, Pearson Prentice Hall, Brief Version 10th Ed., ISBN-13: 978-0-13-359220-7.

Student Learning Outcome: Evaluate the basic concepts of computer programming and analyze their impact on algorithms, problem solving and program implementation.

CMPSCI 111 Grading:

Quiz 1	20 points	(10%)
Quiz 2	20 points	(10%)
Midterm	40 points	(20%)
Quiz 3	20 points	(10%)
Quiz 4	20 points	(10%)
Homework	20 points	(10%)
Final Exam	60 points	(30%)
Total	200 points	

Needed Point Totals: **A** – 175 points, **B** – 150 points, **C** – 120 points, **D** – 100 points

Class and Lab Etiquette: Please put away your smart phones and other mobile devices before entering the classroom. **No smart phones are to be used during class lectures. This means absolutely no taking pictures, no texting, no calling, no social networking (including Snapchat), no playing Pokémon Go, or using apps of any sort and during class time.** If you absolutely must engage in any of these behaviors, please do so *outside* the classroom. Laptops or tablets may **ONLY** be used to work during lab class or to take notes (not pictures) during lecture class. Browsing the Internet during lecture is reserved for class-related web sites such as Canvas, *even if you are browsing on your own laptop or tablet.* Students are given *my* undivided attention during class time; I expect that you will give me *your* undivided attention in return. **Non-class related activities on lab computers are strictly prohibited.**

Academic Integrity: On quizzes, you may refer to class notes and/or the PowerPoint slides provided by your instructor. However, discussing answers with other students during a quiz is **forbidden**. On exams, you are expected to submit only your own work; discussion of answers with other students or use of electronic devices not expressly approved by the instructor is **forbidden**. **Penalties for academic dishonesty on a single exam or quiz may result in a grade of “F” for the entire course.** Additionally, instances of academic dishonesty may be reported to the Dean of Students for further action. *If you have any doubts about what is considered dishonest, please ask the instructor for guidance before taking such a serious risk.*

Attendance: Attendance will be taken for all class meetings at the beginning of class. Should a student be tardy, it is the student's responsibility to sign in after class to inform me of their presence. Otherwise, the student will be marked as absent for the class. **The instructor reserves the right to drop a student after 3 absences during the semester. However, it remains the student's responsibility (not the instructor's) to officially drop the course if necessary.** The student should **not** assume that she/he **will** be dropped after these absences, nor should she/he assume that she/he will **not** be dropped.

Quizzes and Exams: Quiz and Exam dates are posted well ahead of time. In-lab **Quizzes are normally administered online through Canvas and are open-book, open-note.** In-class **Exams are normally administered on paper and are closed-note, closed-book.** If you anticipate that you will not be able to take a Quiz or an Exam on the specified date, please notify the instructor as soon as possible to reschedule. **No makeups will be given for missed Quizzes or Exams.**

Homework Assignments: Homework assignments generally will be posted on the Canvas website prior to a Quiz and will generally be due on the day of the Quiz. **Homework assignments submitted after the posted due date will not be accepted at all.** All homework assignments **must** be submitted through the Canvas website before or on the posted due date. I will not accept homework assignments that have been e-mailed to me, even if those homework assignment submissions are made “on time”.

Important Dates:

Quiz 1	9/5/17	Add Deadline	9/3/17
Quiz 2	9/14/17	Drop w/o "W"	9/3/17
Midterm Exam	10/12/17	Drop Deadline	11/12/17
Quiz 3	11/9/17	Drop w/Refund	9/3/17
Quiz 4	11/28/17		
Final Exam	12/7/17		

Please be sure to avoid scheduling conflicts with these dates.

Course Schedule (Subject to Change)

8/22/17	Review Syllabus
8/24/17	Chapter 1
8/29/17	Chapter 1
8/31/17	Chapter 1
9/5/17	Chapter 2, Quiz 1 (in lab)
9/7/17	Chapter 2
9/12/17	Chapter 2
9/14/17	Chapter 3, Quiz 2 (in lab)
9/19/17	Chapter 3
9/21/17	Chapter 4
9/26/17	Chapter 4
9/28/17	Chapter 5
10/3/17	Chapter 5
10/5/17	Chapter 6
10/10/17	Chapter 6
10/12/17	Midterm Exam (in lecture)
10/17/17	Chapter 7
10/19/17	Chapter 7
10/24/17	Chapters 7 & 8
10/26/17	Chapter 9
10/31/17	Chapter 9
11/2/17	Chapter 10
11/7/17	Chapter 10
11/9/17	Chapter 11, Quiz 3 (in lab)
11/14/17	Chapter 11
11/16/17	Chapter 12
11/20/17	Chapter 12
11/23/17	Thanksgiving Holiday (no class session)
11/28/17	Chapter 13, Quiz 4 (in lab)
11/30/17	Parts of Chapters 14, 15, and 16 (TBD)
12/4/17	Part of Chapter 18 (TBD)
12/7/17	Final Exam

*Recent California Legislation guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”. The Associate in Science for Transfer (AS-T) in **Math, Physics, Computer Science, and Geology**, or the Associate in Arts for Transfer (AA-T) in **Geography**, is intended for College of the Canyons students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students must earn a C or better in all courses required for the major or area of emphasis. The College also offers associate degrees in **Biology, Computer Science, Engineering, and Math**. For more information on the suggested sequence of classes to be taken in order to obtain these degrees in two years, as well as information on when these courses are guaranteed to be offered, please visit: <http://www.canyons.edu/Offices/MathScienceDiv/Pages/Classes.aspx>*