

Syllabus
CSC144 Software Architecture
Sikder Huq
Block 7
March 18, 2019 to April 10, 2019

1 Our meeting times and places

- My office is in Law 206D.
- You may call me in my office at (319) 895 4105.
- You may send me electronic mail at shuq@cornellcollege.edu.
- You may meet me in my office after the afternoon classes.
- We will all meet together in the laboratory in the mornings and in the classroom in the afternoons.

	Where	When
Laboratory	Law Hall 113	9 a.m. to 11 a.m.
Classroom	Law Hall 121	1 p.m. to 3 p.m.

2 Textbooks

There is no textbook for this course. We will use free, online resources.

Check Moodle regularly for links to other resources. I will add items (including examples, notes, solutions to exercises) to Moodle throughout the term.

You may use the computers in our laboratory or your own computers for the lab assignments. If you have a laptop computer, I think that you will find it advantageous to use your own computer. To do so, you will have to install the Java SDK (Software Development Kit) and the NetBeans IDE.

The software that we will use is available at no cost on the Internet. Versions are available for computers that run the Microsoft Windows, Apple Macintosh OS X, and Linux operating systems.

3 Goals

We will give special attention to three of Cornell College's **Educational Priorities and Outcomes**:

- **Knowledge**—you will learn the basics of Java Programming Language and software engineering. Tentative topics include philosophy of Java, concepts of OOP (Object Oriented Programming) as applied in Java, programming basics, inheritance, packages, interfaces, exceptions, threads, streams, generics, event driven graphical user interfaces, database programming, etc.
- **Reasoning**—You will learn how to apply reason in the design, development, and testing of software.
- **Citizenship**—in this project-oriented course you will learn how to collaborate with classmates. You will learn with one another and from one another.

4 Grades

Final grades will be determined by following components:

Activity	Points
Class participation and Quizzes	20
Mid-term Exam (Friday, 29 March 2019)	20
Final Exam (Wednesday, 10 April 2019)	20
+ Lab assignments/projects	40
	100

Note that the dates mentioned above are tentative.

The final grade will be assigned according to the following percentages: 90 A, 85 A-, 82 B+, 78 B, 75 B-, 70 C+, 65 C, 60 C-, 55 D+, 50 D, 45 D-, <45 F.

The grades of the exams might be curved to calibrate for the difficulty of the exams relative to course objectives; your curved grade will always be equal to or higher than your raw points. The instructor reserves the right to adjust the weights and percentages if it is appropriate and will notify students if these adjustments occur.

5 Etiquette for the Classroom

Please show respect to your classmates, to me, and to the seriousness of our enterprise by exercising the following courtesies:

- Please give your attention to whomever is speaking. You cannot view unrelated pages on the Web and be part of our class' discussion at the same time.
- You learn from your classmates. Be generous in offering help to classmates in the laboratory. Take interest in your classmates' work. Encourage them. Compliment them for work that is well done. Give them a good audience when they stand at the front of the room to present their work. Show these courtesies to all of your classmates.
- Please do not interrupt the class by late entries or early departures. If you anticipate a need to be absent from all or part of one of our meetings, please notify me in advance of your anticipated absence.
- You may listen to music while working in the laboratory so long as you are still able to hear your name when called and you do not disturb neighbors.
- Please refrain from bringing food or drink into the classroom or laboratory. We can make reasonable exceptions for eating that is not noisy and foods that do not have strong smells.
Acceptable beverages and foods include water, tea, and granola bars. Bringing breakfast to class is not courteous.
Please clean up crumbs and spills. Please dispose of empty containers and leftovers.
- Please dress as you might for an employer in the software engineering industry. Please keep your shoes on. Wearing hoods, hats, or sunglasses (except when there is a medical reason for shielding the eyes) that hide your face is not courteous.
- Imagine that you are seeking employment. How will you present yourself to your prospective employer?
Imagine that you are now employed in a software engineering firm. How will you speak to your teammates, the head of your team, and your company's clients?
Imagine that your grandmother has purchased the company for which you work. She has joined you in the company's conference room to hear and see you walk through the code that you have written for the company (her company).
Are there some words that you will keep out of your vocabulary during this hour?

6 Policies

Cornell College is committed to providing equal educational opportunities to all students. If you have a documented learning disability and will need any

accommodation in this course, you *must* request the accommodation(s) from the instructor of the course and no later than the third day of the term. Additional information about the policies and procedures for accommodation of learning disabilities is available on [Cornell College's Web site](#).

Please also familiarize yourself with the college's statement on [academic honesty](#) and its [policies for dropping courses](#).