Chapter #0: Syllabus
Course Description

Course Number : CSCI-UA 0101
Title: Introduction to Computer Science
Pre-Requisites:
  – CSCI.UA.002
  – CSCI.UA.0102
Course Description

Formal Course Description:

– This course will teach students to solve problems by designing algorithms and building them into standalone computer applications. Experience will be acquired through the completion of projects in a high-level programming language. This course is intended for computer science majors but is suitable for students of other scientific disciplines.

Informal Course Description:

– You will learn how to write computer programs and understand the basics of software development using the Java programming language.
Instructor
Prof. Anasse Bari

Background @ a Glance

Academics
- BS Computer Science
- MS Computer Science
- PhD Computer Science (Data Mining)
- Executive Program, Innovation @ Stanford University

+10 years in Computer Industry
- The World Bank Group
- Former Professor of Computer Science at George Washington University
- Sun Microsystems (Oracle)
- US Congress (Designed the Legislative Database 2008 for the House of Representatives)
- Housing and Urban Development Gov (Public Housing Management Software System)
My Role: I am here to teach you and help you learn programming and help you become an excellent programmer. 

BUT you need to work hard!
Instructor Contact Information

Instructor:
Dr. Anasse Bari

Email:
abari@cs.nyu.edu
Include the following subject in your e-mails: “CS101-00X”

Office Location: 425 WWH
Phone: 212.998.3227
Office Hours: (check my website: http://cs.nyu.edu/~abari/)
Course Website: http://cs.nyu.edu/~abari/Fall2016CS101-1/CS101-X.htm

X: Your section
Grading Policy

Grading Overview:
- Midterm Exam 1 (20%)
- Midterm Exam 2 (25%)
- Quizzes (5%)
- Homework and Programming Assignments (20%)
- Final Exam (30%)
- Class attendance and participation will be added separately to your final grade

Academic Integrity:
- Every student must submit their own code.
- All references used in the assignments must be cited.
- Please review the computer science department academic integrity policy that applies to this course.
Course Materials

Readings
— Reading assignments will be announced prior to each class.

Course Textbook
— The required textbook for the class is Introduction to Java Programming Brief Version 10th Edition,
— Author: Y. Daniel Liang
Learning Outcomes

Selection of topics to be covered

– Part I: Fundamentals of Java Programming
  • Introduction to Computer Science and programming in Java
  • Introduction to the IDE: Eclipse
  • Primitive Data types
  • Methods

– Part II: Object Oriented Programming and Design
  • Introduction to the Object Oriented Paradigm
  • Objects and Classes
  • Advanced OOP Features
  • ArrayLists in Java
Assignments

Homework assignments will be posted on the course website and on NYUclasses.

There will be a total of 6 assignments with an additional one should time allow for it. Please refer to the grading policy for more information.
Additional Course Policies

Office Hours

– Please come to office hours WITHOUT NOTICE. Students are highly encouraged to arrive prepared with questions. Office hours may be scheduled outside normal hours, please contact the instructor should the need arise.

Attendance

– Please try to ATTEND ALL CLASSES. Please do the readings and assignments, and make sure to ACTIVELY PARTICIPATE (i.e. ask questions) in class.
This course adopts the framework known as “Bloom’s Taxonomy” to aid in cognitive engagement, course assessments, and exam questions’ design.
Bloom’s Taxonomy

There are 6 layers:

• Knowledge
  — Recall information as it was learned in class.

• Comprehension
  — Translate and interpret the learned information

• Application
  — Use the learned knowledge and apply it to accomplishing simple tasks.

• Analysis
  — Relate different concepts, evidence, hypotheses, and assumptions.

• Synthesis
  — Create and combine ideas into a product.

• Evaluation
  — Critique outcomes and assess a given piece of information
Final Notes

• This was a simple introduction to the course and its policies. Please be sure to read the syllabus for more detailed information on the class website.
• See detailed syllabus on the class website

• Questions?
End of Chapter#0: Syllabus