

# Math 410 – Software Engineering with Java

Section 01

CRN: 20458

Room: Science 104

Time: MWF 1:00pm - 1:50pm

Credit Hours: 3 credit hours

Prerequisites: MATH 240

## ***Quick Reference Section: Things you may want to know quickly***

### **What is the Course Website?**

The course website is available at <http://math.concord.edu/moodle2/>

If you have problems accessing the course, please contact the instructor.

### **Contact Info - How do I contact you?**

Instructor: Lonnie Bowe (you can call me Mr. Bowe or Professor Bowe, either one is okay).

Office: 100E Science Building

E-mail: [lbowe@concord.edu](mailto:lbowe@concord.edu)

Official Office Hours -10:00pm-11:00pm MWF, 12:00pm-1:00pm MF. Available by appointment on TR from 11:00pm - 3:30pm.

These are guaranteed times that I will be present in my office. However, I am usually present in my office more than that. I have an Open Door Policy, which follows:

If my office door is open (and I am there), you are welcome and encouraged to come in to chat or ask questions, even if it is not during my official office hours.

### **I am in trouble, what do I do?!?**

If you are having difficulties in any area of the course, please do not hesitate to contact the instructor. Contacting the instructor sooner than later is always preferable in order to give the maximum amount of time to correct the issue. If you feel that you have an issue that cannot be discussed with the instructor (or an issue with the instructor), you may contact any professor in the Mathematics department or in particular, W.R. Winfrey, the department chairman. His email address is: [wrwinfrey@concord.edu](mailto:wrwinfrey@concord.edu) and his office is located in Science 100C.

## **Grades - What do I have to do to get a good grade in the course?**

### **Reading Quizzes/Written Homework 10%**

To encourage you to read the assigned material, there will be short, open book quizzes on that material. These quizzes will be available on Moodle. They will open directly after the class ends and will close when the next class session begins.

### **Projects 80%**

Projects are the major component of the course. These projects, unless otherwise noted, are to be completed individually in accordance with the Plagiarism and Academic Honesty policies below.

Individual Projects – **20%** - Projects that are completed on your own to learn the fundamentals of Java.

Two-Person Project – **20%** - Work with a partner to create a graphical version of Monopoly!

Group Project – **40%** - Learn to work with in a team setting to create a graphical, networked rogue-like in the lineage of NetHack.

Book Reflection - **10%** - Read a book in the field and write a reflection about it.

### **Grade Scale:**

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
< 60	F

## **Materials - What do I need to buy for this course?**

**Required:** Object-Oriented Software Engineering Using UML, Patterns, and Java (3rd Edition)

Author: Bruegge, Dutoit

ISBN: 0136061257

We will also be pulling material from Software Engineering by Ivan Marsic.

Freely Available online: <http://www.ece.rutgers.edu/~marsic/books/SE/>

**You are also required to purchase one of the following:**

Code Complete: A Practical Handbook of Software Construction by McConnell

New Programmer's Survival Manual: Navigate Your Workplace, Cube Farm, or Startup by Josh Carter

The Passionate Programmer (2nd edition): Creating a Remarkable Career in Software Development by Chad Fowler

The Pragmatic Programmer: From Journeyman to Master by Andrew Hunt and David Thomas

Clean Code: A Handbook of Agile Software Craftsmanship by Martin

Will need access to e-mail and a computer. The computer lab in Science 104 will be equipped with all software needed to complete this course. All software needed to complete this course will be freely available from the internet.

## **Other Important Information and Policies**

### **Plagiarism & Academic Dishonesty:**

Plagiarism is stealing or passing off as one's own, ideas or words of another, whether or not copyrighted. Plagiarism will be penalized by the instructor according to the degree of dishonesty the instructor judges is involved. Students guilty of academic dishonesty are subject to disciplinary action. Disciplinary action may include, but is not limited to: reduction of a grade on an assignment or examination, reduction of a grade for the class, suspension or expulsion from the University. Students may appeal disciplinary action taken against them by filing a grievance.

**NOTE:** It is YOUR responsibility to keep a copy of ALL your work. Also, keep a backup copy of any course work completed on a computer. CU will not be responsible for any loss of materials.

## **Course and University Policies:**

### **Attendance**

Attendance is encouraged, but not required. Active participation and attendance will benefit you. If I notice a pattern of non-attendance, I may require you to have a meeting with me to discuss the problems.

### **Inclement Weather**

I follow the official University policy on student safety. Inclement Weather conditions will be taken into consideration in regard to the attendance policy.

### **Contact Policy**

I will use e-mail for class announcements. Please check your e-mail at least once a day.

### **Feedback Policy**

It is my goal to give you timely, constructive feedback on your performance in this class. However, I cannot know how I am performing without feedback from you. I encourage you to let me know how I am doing, what you like and dislike about the course. This feedback will in no way impact your grade. Do not suffer in silence. If speaking to me in person about these matters makes you uncomfortable, I will also periodically provide anonymous surveys on Moodle for you to express your opinions.

## **Class Conduct**

Remember that there are other people in the class with you and adjust your behavior accordingly.

Be attentive and participate!

Do not be late to arrive or early to leave.

Do not converse with others while the instructor is talking or be disruptive.

Cell phones must be set to vibrate or turned off during class.

## **Americans with Disabilities Act Standards**

Concord University is committed to responding to the needs of students with disabilities as defined by the Americans with Disabilities Act. Students who request academic accommodations or modifications related to a disability should first notify their instructor and then contact the Vice President and Academic Dean's Office.

Social Justice Policy: Concord University's mission is to recognize the development of human potential which promotes cultural and ethnic diversity and understanding. The institution is committed to fairness and equality in all aspects of employment and campus life; for all persons regardless of age, race, color, national origin, sex, sexual orientation, religion, veteran status or documented disability legal status.

## **Concord University Honor Code:**

As a member of the Concord University Community I will act with honesty and integrity in accordance with our fundamental principles and I will respect myself and others while challenging them to do the same.

## **Academic Resources**

### **Drop-In Tutoring**

Free tutoring available in the Library, Student Center Study Lounge (2<sup>nd</sup> floor), and Rahall atrium. For specific information, contact the Academic Success Center ([asc@concord.edu](mailto:asc@concord.edu); 304-384-6074). The schedule will be posted online: <http://www.concord.edu/academics/academic-success-center/drop-tutoring>

### **SMARTHINKING**

*Free online tutoring* in most subjects, available 24/7; Sign up through MyCU Student Tab.

### **Departmental Tutoring**

See the posted schedule in the Math department lobby.

### **Note:**

The instructor reserves the right to modify this syllabus. I will not make any modifications without good reason. Any changes will be announced in class.