

CMS170 – Problem Solving II with Java – Spring 2017

Basic information: -----

- Instructor: Dr. Valerie Summet
- Class time and location:
 - CLA: MW 2:30-3:45pm, F 2-2:50pm in Olin 220
 - Holt: MW 7-8:45pm in Bush 310 (Mac Lab)
- Office hours: MW 4:40-6:30pm in Bush 218D and by appointment
- Catalog Description: Develops discipline in program design, problem solving, debugging, and testing, with an introduction to data structures. Topics include: abstract data types, complexity analysis, and recursion. Basic data structures (queues, stacks, trees, and graphs) and transformations (sorting and searching) are introduced as representative of the fundamental tools that are used to aid in software development. A high-level programming language is used to construct programs of a moderate size.
- Prerequisites: CMS167/167L

Textbook(s) and required software: -----

1. Required: zyBooks interactive custom textbook: *Programming in Java and Data Structures* (\$74)
 1. Sign up at zyBooks.com
 2. Enter zyBook code ROLLINSCMS170SummetSpring2017
 3. Click Subscribe
2. Optional: *Java Illuminated*, Anderson and Franceschi (recommended if your grade was below a B/B- in CMS167)
3. At the beginning of the semester, you will be programming and submitting assignments through your textbook (online). Later in the semester, you will be programming in Java using an IDE named Eclipse. Both of these software components are free. You will be given detailed instructions for installing them on your personal computer (if you wish) later in the semester. The College also provides many lab computers with this software preinstalled.

Attendance Policy: -----

Attendance to lectures is not required, and I do not take attendance. However, it is highly recommended and encouraged. When you miss a lecture, you are responsible for catching up with the material. Most in-class activities cannot be made up if you are absent. If you have a university approved absence, it is your responsibility to make arrangements for completing in-class work in advance. I am usually happy to work with you should you need to miss class for unapproved reasons (job interviews, etc) and you let me know **in advance** (at least 12 hours) **and you do not abuse the opportunity**.

Credit Hours (5): -----

Rollins College offers five-credit-hour courses that provide four (50-minute) hours of direct or indirect instructional contact. The value of five credit hours reflects the substantial individual attention each student receives from instructors as well as additional out-of-class activities. Faculty require that students undertake at least 7.5 (60-minute) hours of outside work per week, averaged over the course's duration and equaling two and one-half (2.5) 60-minute hours of outside work for every one (50 minute) hour of scheduled class time. In this course, the additional outside-of class expectations are substantial team-based programming projects and case study analysis. You may also be expected to complete "mini-courses" from online learning platforms such as lynda.com or Udacity.

HW Assignments: -----

You will have approximately 6-7 HW assignments throughout the semester. These assignments will primarily be completed outside of class. You will usually have 1-2 weeks to complete the assignment, depending on the complexity of the assignment. There are no late submissions for HW.

Lab Assignments: -----

Each week there will be a lab. This will be approximately 45-50 minutes long. These programs will be completed during the lab period. If you need to miss a lab for any reason, I am happy to work with you if you let me know **in advance**. I will count only the 11 highest lab scores of the semester. There are no late submissions for lab assignments.

Quizzes and Exams: -----

This semester, we will not have midterm exams. Instead, you will have weekly quizzes on most weeks. Each quiz will be approximately 15 minutes long. These quizzes will occur during class on Monday. I will only count the 11 highest quiz scores in your grade. Quizzes missed without prior arrangement cannot be made up.

This course **will** have a cumulative, 2-hour final exam. The final exam time for the CLA section will be Friday, May 5th, 11am-1pm. For Holt students, this will be Monday, May 8th, 7-9pm (our usual class meeting time plus 15 extra minutes). Do not make plans to leave campus before your final exam. The final exam will not be rescheduled except in cases of extreme emergency with documentation provided.

Grading: -----

Your grade will be determined as a weighted average of the following categories:

Weekly Quizzes	30%
Labs	10%
HW	25%
Participation and Pre-class work	10%
Final Exam	25%

Your letter grade will be determined as follows:

93.3-100	A
90-93.3	A-
86.6-90	B+
83.3-86.6	B
80-83.3	B-
76.6-80	C+
73.3-76.6	C
70-73.3	C-
66.6-70	D+
63.3-66.6	D
60-63.3	D-
0-60	F

Timely handling of grade disputes: Disputes of grading on assignments, exams, etc. must be discussed within one week of their return or posting. While I will quickly correct small, bookkeeping errors, you may be asked to submit a written argument justifying why your work deserves a higher score.

I will maintain your grades on Blackboard so that you may track your progress. Should you find a grade recorded incorrectly, please bring it to my attention immediately.

Spring Semester Schedule -----

Rollins's iconic Fox Day Celebration occurs on a random day during the Spring semester. Should Fox Day fall on a day this course meets, the following rules will apply:

1. In-class activities will not occur. Quizzes, labs, or in-class activities will be made available but will not be scored. The rule of counting only your 11 highest labs/quizzes will still apply.
2. Items which are due electronically (eg a submission to BB or a set of Zybooks activities) will still be due as previously scheduled.
3. Be on the lookout for an email from me with an updated schedule and assignment modifications (if needed).

Communication Policies and Tools: -----

Please use your official Rollins email for all communications. I do not discuss grades or other academic records via non-official email accounts such as GMail, Yahoo, etc.

This semester we will be utilizing a tool called Piazza for Q&A. This tool allows you to get answers from me and fellow students more quickly. A link to our course's Piazza site is provided on Blackboard. Utilize this tool as your first resource for course content related questions.

I try to answer all emails within 24 hours during the work week. If you have not received a response within that timeframe, feel free to resend your email or ask me about it.

Honor Code: -----

Membership in the student body of Rollins College carries with it an obligation, and requires a commitment, to act with honor in all things. The student commitment to uphold the values of honor - honesty, trust, respect, fairness, and responsibility - particularly manifests itself in two public aspects of student life. First, as part of the admission process to the College, students agree to commit themselves to the Honor Code. Then, as part of the matriculation process during Orientation, students sign a more detailed pledge to uphold the Honor Code and to conduct themselves honorably in all their activities, both academic and social, as a Rollins student. A student signature on the following pledge is a binding commitment by the student that lasts for his or her entire tenure at Rollins College. The development of the virtues of Honor and Integrity are integral to a Rollins College education and to membership in the Rollins College community. Therefore, I, a student of Rollins College, pledge to show my commitment to these virtues by abstaining from any lying, cheating, or plagiarism in my academic endeavors and by behaving responsibly, respectfully and honorably in my social life and in my relationships with others. This pledge is reinforced every time a student submits work for academic credit as his/her own. Students shall add to the paper, quiz, test, lab report, etc., the handwritten signed statement: "On my honor, I have not given, nor received, nor witnessed any unauthorized assistance on this work." Material submitted electronically should contain the pledge; submission implies signing the pledge. All material in this course is covered by the Rollins College Academic Honor Code. All students are expected to be familiar with and follow [the Honor Code](#).

If you have any questions about what does or does not constitute academic misconduct for this course, you should contact me for an explanation. Ignorance is not an excuse. Academic misconduct is not tolerated, will be prosecuted vigorously, and will be referred to the Honor Council.

Notes on (un)authorized collaboration in Computer Science: -----

Collaboration with other students in this class is an important learning method. However, collaboration should not extend to cheating (unauthorized assistance from others) or plagiarism (copying someone's work without

attribution). The following guidelines will help you understand the difference between collaboration and plagiarism or cheating.

- Students may only collaborate with fellow students currently taking CMS 170 and the instructor. Collaboration means talking through problems, assisting with debugging, explaining a concept, etc.
- **You should never exchange code or write code for others.** A good rule of thumb is to always begin your assignments with a blank window.
- **You should never copy code verbatim from another source, including the course texts.** This is plagiarism.
- Each student must turn in a unique program.
- Your submission must not be substantially similar to another student's submission. Collaboration at a reasonable level will not result in substantially similar code.
- In the absence of written instructions, you should assume all assignments are individual assignments and should be completed alone, utilizing only *appropriate* collaboration.
- For all programming assignments, you must write comments at the top of the file containing your main method which includes the following information:
 - your name
 - your Rollins user ID (e.g. 'vsummet')
 - the Rollins College honor statement (as expressed above)
 - your collaboration statement for the assignment. The wording of this statement should be:
 - "I worked on this assignment alone, using only this semester's course materials." OR
 - "I worked on this assignment with [give the names of the other students you worked with] and/or referred to [cite any texts, web sites, or other materials not provided as this semester's course material for CMS 170]."
 - **I will not grade your work without the above collaboration information.** Should you accidentally omit your collaboration statement, I will ask you to submit it via email. Repeated omissions will result in a 10 point penalty on the assignment, and I will assume you worked alone with no outside assistance (i.e., the first statement above).
- Keep in mind that you are allowed to collaborate with other students currently in CMS 170. There is **no penalty** for **appropriate** collaboration when you give credit to other students/sources by including a collaboration statement. The instructor and the required textbooks should be treated as course material and need not be listed in the collaboration statement.
- Cheat detection software is used to analyze your submissions.

Accommodations: -----

Rollins College is committed to equal access and inclusion for all students, faculty and staff. The Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 create a foundation of legal obligations to provide an accessible educational environment that does not discriminate against persons with disabilities. It is the spirit of these laws which guides the college toward expanding access in all courses and programs, utilizing innovative instructional design, and identifying and removing barriers whenever possible.

If you are a person with a disability and anticipate needing any type of academic accommodations in order to fully participate in your classes, please contact the Disability Services Office, located in the Mills Memorial Building, Room 217, as soon as possible. You are encouraged to schedule a Welcome Meeting by filling out the "First Time Users" form on the website: <http://www.rollins.edu/disability-services> and/or reach out by phone or email: 407.975.6463 or Access [at] rollins.edu.

All test-taking accommodations requested for this course must first be approved through the Disability Services Office (DSO) and scheduled online through Accommodate **at least 72 hours before the exam**. Official accommodation letters must be received by and discussed with the faculty in advance. There will be no exceptions given unless previously approved by the DSO with documentation of the emergency situation. We highly

recommend making all testing accommodations at the beginning of the semester. DSO staff are available to assist with this process.

Title IX Statement: -----

Rollins College is committed to making its campus a safe place for students. If you tell any of your faculty about sexual misconduct involving members of the campus community, your professors are required to report this information to the Title IX Coordinator. Your faculty member can help connect you with the Coordinator, Oriana Jimenez (TitleIX@rollins.edu or 407.691.1773). She will provide you with information, resources and support. If you would prefer to speak to someone on campus confidentially, please call the Wellness Center at 407.628.6340. They are not required to report any information you share with the Office of Title IX. Sexual misconduct includes sexual harassment, stalking, intimate partner violence (such as dating or domestic abuse), sexual assault, and any discrimination based on your sex, gender, gender identity, gender expression or sexual orientation that creates a hostile environment. For information, visit <http://www.rollins.edu/titleix>
