

CS 214 – Principles of Computer Science

Spring 2018

	Section 1 STAR # 34875	Section 2 STAR # 34876
Lecture	MWF 10:00 – 10:50 am Stipes 120	MWF 11:00 – 11:50 am Stipes 120
Lab	W 9:00 am Stipes 304	W 12:00 pm Stipes 304
Final Exam	Monday, May 7, 10:00 am	Wednesday, May 9, 10:00 am

Instructor: Joy McQuillan
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Office Hours: Monday 12:00 – 2:00 pm
Wednesday 1:00 – 2:00 pm
Thursday 10:30 – 12:00 pm Other times by appointment.
Website: <http://faculty.wiu.edu/JA-McQuillan/>
CS Office: Stipes 447
CS Office Phone: 309-298-1452

COURSE PURPOSE

This course will provide an introduction to computer program design, testing, and documentation. We will learn simple data structures, recursion, sorting, searching, and algorithm development. The primary purpose is to ensure that students develop competency in designing and writing basic Java programs. Students will learn how to define problems, write code to solve those problems, and test and debug the code they have written. *Prerequisite: Math 100 Corequisite: Math 128*

MATERIALS

Required: Access to <http://vocareum.com>. An access code card is sold in the University Bookstore and is available from the website directly.

Recommended: Introduction to Programming in Java: An Interdisciplinary Approach,
by Sedgewick and Wayne

Book website (using the online version is adequate): <http://introcs.cs.princeton.edu/java/home/>

Optional: It is highly recommended that you own a computer for doing your assignments. Some computers in the campus computer labs are equipped with the software you will need but not all. If you use your own computer, you will need the Java JDK and a programmer's code editor or "IDE," such as jgrasp (<http://www.jgrasp.org>). Instructions for installing and setting up the JDK and jgrasp will be given in class.

GRADING

Your grade will be determined by your performance on assignments, lab work, tests and a final exam.

- **Assignments:**
 - **Vocareum:** Assignments posted on the Vocareum website will be completed by the date and time listed. All assignments posted on Vocareum can be submitted as many times as desired before the due date/time. The Vocareum system will give prompt feedback on your submissions, allowing for revisions and resubmissions. This is a great opportunity for students to learn from their errors and receive feedback and guidance for making corrections.
 - **Projects:** Students will also complete 3 programming projects submitted directly to the instructor. Projects will be due at the beginning of class on the specified due date. All projects will be submitted both electronically via email and in paper form. Paper copies must be submitted with a completed **Project Cover Sheet**. Projects may be handed in early (at least 24 hours) for a bonus of 10%. Projects will be accepted late (up to 24 hours) for a penalty of 10%. Projects not received within the 24 hour late period will receive a mark of 0 (zero).
- **Lab Work:** We will meet in the lab weekly to practice skills demonstrated in the lecture. Lab work will be graded for attendance and progress. The instructor will be available to answer questions and provide guidance.
- **Tests:** We will have 2 tests. The tests will be given on Friday, February 23 and Friday, April 6. Missed tests can only be made up with a documented, excused absence. They must be made-up before I have returned the graded tests to the class.
- **Exam:** Final Exam dates and times are listed above.

Your final grade will be calculated according to the following percentages:

Assignments(Vocareum):	10%
Assignments(Projects):	15%
Lab work:	15%
Test 1 (Feb. 23):	10%
Test 2 (Apr. 6):	20%
Final Exam (comprehensive):	30%

Your grade will be awarded according to the Plus/Minus Grading Scale.

Grade	Equal to or Greater than	But Less Than		Grade	Equal to or Greater than	But Less Than
A	92.5	-		C	72.5	77.5
A-	90	92.5		C-	70	72.5
B+	87.5	90		D+	67.5	70
B	82.5	87.5		D	62.5	67.5
B-	80	82.5		D-	60	62.5
C+	77.5	80		F	-	60

CLASS POLICIES

- **Attendance:** Students should be present and punctual for all classes. If a student misses a class or lab for an exceptional reason, s/he must fill out an OARS report and contact me as soon as is reasonable given the circumstances. You can get to the OARS website from <https://my.wiu.edu>.
- **Cell Phones:** Cell phone use can be a significant distraction in the classroom. As a result, phones are to be turned off during class. If you are expecting a call or a message which **must** be received before the end of class, please silence your phone, so it will not distract the rest of the class. If you **must** respond to a call or a text, please leave the room to do so. During tests and exams, cell phones **must be off**.
- **Student Rights & Responsibilities:** Please review the rights and responsibilities which may be found at <http://www.wiu.edu/provost/students.php>. Please pay particular attention to the following:
WIU's **Academic Dishonesty** Policy may be found at <http://wiu.edu/policies/acintegrity.php>. Please read this document carefully. These rules will be followed to the letter. Please be aware that no assistance is permitted on assignments or tests.
- **Americans with Disabilities Act (ADA):** In accordance with University values and disability law, students with disabilities may request academic accommodations where there are aspects of a course that result in barriers to inclusion or accurate assessment of achievement. To file an official request for disability-related accommodations, please contact the Disability Resource Center at 309-298-2512, disability@wiu.edu or in 143 Memorial Hall. Please notify the instructor as soon as possible to ensure that this course is accessible to you in a timely manner.
- **Title IX Discrimination Statement:** University values, Title IX, and other federal and state laws prohibit sex discrimination, including sexual assault/misconduct, dating/domestic violence, and stalking. If you, or someone you know, has been the victim of any of these offenses, we encourage you to report this to the Title IX Coordinator at 309-298-1977 or anonymously online at: http://www.wiu.edu/equal_opportunity_and_access/request_form/index.php. If you disclose an incident to a faculty member, the faculty member **must** notify the Title IX Coordinator. The complete Title IX policy is available at: <http://www.wiu.edu/vpas/policies/titleIX.php>.

This general information is subject to change with advance notice during class.