Syllabus for Math 4 – MATLAB Programming – Eureka Campus		
Semester & Year	Spring 2016	
Course ID and Section #	Math 4 – E9151	
Instructor's Name	Kyle Falbo	
Day/Time	TTh/2:50-4:15	
Location	SC 208	
Number of Credits/Units	3.0	
Contact Information	*Office location*	None
	Office hours	Available by appointment
	Phone number	None
	Email address	Kyle-Falbo@redwoods.edu
Textbook Information	*Title & Edition*	*MATLAB A Practical Introduction to Programming and Problem Solving, 3rd Ed.*
	Author	Stormy Attaway
	ISBN	ISBN: 978-0-12-405846-7

Course Description
An introduction to programming in MATLAB, with emphasis on programming applications in science, mathematics, and engineering.

Student Learning Outcomes
1. Complete independent work and research on scientific programming problems.
2. Communicate effectively, both in oral and written presentations.
3. Apply knowledge of basic science, mathematics, and engineering principles to solve computing and information processing problems.
4. Write correct, efficient, and well-documented programs.

Special Accommodations
College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS at 707-476-4280.

Academic Support
Academic support is available at Counseling and Advising and includes academic advising and educational planning, Academic Support Center for tutoring and proctored tests, and Extended Opportunity Programs & Services, for eligible students, with advising, assistance, tutoring, and more.

Academic Honesty
In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at:
www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf
Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Disruptive Classroom Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Emergency Procedures for the Eureka campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka **campus emergency map** is available at: (http://www.redwoods.edu/Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to http://redwoods.edu/safety/ In an emergency that requires an evacuation of the building:

- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

RAVE

College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to https://www.GetRave.com/login/Redwoods and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu." Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Prerequisite

Math 30 (College Algebra) and Math 25 (Trigonometry), or equivalent, with a grade of "C" or better. Math 50A (Calculus I) or concurrent enrollment in Math 50A is also strongly recommended.

Textbooks
MATLAB: A Practical Introduction to Programming and Problem Solving (3rd Edition), by Stormy Attaway, published by Butterworth-Heinemann (2013), ISBN 978-0-12-405876-7. An electronic version of the textbook is also available.

Software
Students will be able to use MATLAB in the computer lab in SC 212, so no purchase of software is required. However, for use at home, students may want to purchase the student version of MATLAB, which is available for $99.

A calculator is *not* required for this course.

Homework/Quizzes/Projects
There will be weekly homework assignments, and some quizzes, but no exams in this course. There will also be a project due at the end of the semester. More information on the grading policies for homework assignments and the project will be provided in the future, but here are some considerations that will be taken into account:

1. Does the program work as it is supposed to?
2. Documentation
3. Efficiency; creativity in algorithm design or program design
4. Consideration of all cases; error-trapping
5. Completion of assignments on time

80% of your grade will be based on homework and quizzes, and 20% on the final project.

Available Help
If you need help on some of the course material, please visit me in office hours or in the Math Lab. I'm also quite willing to answer questions outside of office hours unless I have some time constraint, so don't hesitate to ask.

You can also send me questions via email.

Assistance
If you have a documented disability or believe you can benefit from any of the services offered by Disabled Student Programs & Services (DSP&S), please contact the DSP&S office 476-4280.