

SWE415 Syllabus

Spring 2020

Class Times

Tuesdays and Thursdays 8:00 - 9:50

Professor Contact Information

Dr. Wellington (Merlin)

Office Hours: As listed below, when my door is open, and by appointment (check my calendar at tinyurl.com/ships-merlin-calendar for updates)

Monday	3:00 - 4:00
Tuesday and Thursday	10:00 – 12:00

Office: 156 MCT

Telephone: 477-1424

email: merlin@cs.ship.edu

Class Activities

gitlab Repository I will post everything related to this class in the engineering school gitlab (gitlab.cs.ship.edu) in a public repository named SWE415. In addition, we will have an repository for the projects which we will use much like industry would use it: to track progress, to keep versions of our code, and to keep a wiki of project information.

Textbook Extreme Programming Explained - Embrace Change by Kent Back

Readings Additional readings will be required. They will be posted in the repository. They are considered at least as important as reading the textbook.

Projects You will work on a real project for an external customer as part of a team for the purpose of practicing agile development techniques and philosophies. Your grade will depend on the extent to which you follow those practices.

Exam There will be one “final” exam in the third week of the semester. Its purpose is to make sure that you understand the project we are working on and the specific implementation of XP that we will use for the rest of the semester.

Personal Log You are required to keep a journal of your thoughts about this class. This serves two purposes. First, and foremost, software engineers think about how things are going and how things can go better. This journal is the beginning of helping you learn to think like that. Second, much of what happens in this class is part of a project and your journals give me feedback to help me make sure this experience is a valuable one. So, EVERY TIME you do something for this class (read, work on the project, come to class, etc.) you must make an entry in that journal.

I will watch these journals regularly to make sure that I am getting the feedback you give, but the goal is for you to think about what is going on around you and how you can best be a productive team member. The journal's purpose is NOT to report on what you accomplished (we have other means of doing that) and I will NOT use it to assess how much work you are doing in the class. I expect to see thoughtful analysis of your experiences. Your grade for the journal will depend on the thoughtfulness (not length!!!) of your entries.

This journal MUST be a google doc named ID<YourLastName> that you share so that I can comment. Each entry must be dated, state what you did for the class and then contain your thoughts about that activity. The entries MUST be sorted most-recent first.

Time Reporting All engineering companies will ask you to make status reports on how you have spent your time. We will have a shared google sheet where you will report the hours you work, what you work on and who you worked on it with. Accuracy is important and errors in either direction (reporting hours you didn't work or not reporting hours you did work) are academic dishonesty.

Grades

Your grade has two major components: a Quality grade and a Professionalism grade. The two portions of your grade are **multiplied** together to determine your final grade in the course.

Quality Grade

Your quality grade is determined by the extent to which you meet the requirements of a specific assignment. Each deliverable or quiz will be worth a certain percentage of your quality grade.

Your final quality grade will be calculated as follows:

Activity	Percentage
Journal	25%
Iteration 1	10%
Iteration 2	10%
Iteration 3	10%
Iteration 4	10%
Iteration 5	15%
Exam	20%

Professionalism Grade

Your professionalism grade is the grade you receive for your ability to perform in this course as you will be expected to perform in the workplace. The goal of this part of the grade is to help you understand how an employer forms an opinion of you. When you are hired, they have high hopes for you and respect your professionalism. Each time you disappoint your manager, his/her opinion of your professionalism goes down. For us, you disappoint us by not:

- Arriving to class on time prepared to participate
- Attending all classes
- Participating fully and respectfully in class discussions, offering constructive critiques on your classmates' work
- Responding graciously to constructive criticism
- Completing journal and time sheet entries on time
- Attending all required meetings with your team prepared
- Communicating fully about your progress with your team and technical lead (instructor)
- Communicating promptly with the course instructor and your team about any illnesses, emergencies, or family obligations you may have
- Providing documentation for any of the above listed reasons for missing class or falling behind on your schedule.

Like your employer's opinion, our professionalism grade starts at 100% and can only go down. There are no opportunities for you to gain back points once they are lost in this portion of your grade. If your professionalism grade drops below 60%, it will be impossible for you to pass this course. Do not let this happen. Here are some examples of how unprofessional behavior will affect your professionalism grade:

- Unexcused Lateness: -2 pts (late to class, late to a meeting)
- Not following specific instructions about journals or the time sheet: -2 pts
- Excused Late/absence: -1 pt (after the first 3 excused absences)
- Incomplete submission: -1 to -4 pts (depending on how much is missing)

- Unexcused missed deadline: -1 pt for each day late up to a maximum of five. After that point, you cannot submit that deliverable
- Unexcused missed class or team meeting: -5 pts
- Late or missing journal or time sheet entries: -2 pts
- Misc. transgressions: -1 to -10 pts (being a jackass during another student's critique, for example) at instructor's discretion

Your manager's opinion of your work degrades as his respect for your professionalism degrades. Therefore, your grade in this class is the product of the grade for the quality of your deliverables and your professionalism grade.

If your overall grade drops below 60%, you will receive a grade of 'F' and be required to retake the course next year in order to graduate.

Policies

Academic Dishonesty The university has a strong academic dishonesty policy that I will strictly enforce. In addition, the School of Engineering has translated that policy to apply it to engineering specific situations. Be sure that you understand that policy thoroughly. You may see questions on it on our quizzes or exams.

Social Equity Accommodations If you are registered with the Office of Social Equity as needing special accommodations like extra time or an alternate location on exams, please come see me so that we can iron out the details.