SWE400 Syllabus

Class Times

TR 9:00 - 10:50

Professor Contact Information

Dr. Wellington (Merlin)

Office Hours: As listed below, but I am usually available if you ping me (check my calendar for updates). My office is WRI311, but I'll hold my office hours in MCT165 to help you find me. Ping me on Discord if you want to know where I am at a particular time.

MW	9:00 – 10:00
MTR	11:00 - 12:00

Discord: ShipsMerlin
Zoom room: https://ship.zoom.us/my/shipsmerlin or using meeting id 555 477 1424
email: merlin@cs.ship.edu

Class Activities

gitlab Repository I will post everything related to this class in the department gitlab (gitlab.engr.ship.edu) in a public repository named SWE400.

Textbook Patterns of Enterprise Application Architecture by Martin Fowler. This is the standard industry text for large scale architecture. Note that this is NOT a textbook. This will require a very different style of reading than you are used to because the content is quite dense (every sentence means a lot). One read will not do!

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 There will be a number of projects that you will do in pairs or small teams throughout the semester. These will be graded for completeness, correctness, quality of the code, and adherence to coding standards.

Gradescope We will use www.gradescope.com to submit written assignments (homework, quizzes, and exams). This gradescope is connected with our D2L course.

Quizzes You are expected to read the material before you come to class. To help ensure that you do that, there will be reading quizzes that are due before the beginning of class. You'll find them on gradescope

Exams There will be three exams (big quizzes?) during the semester and a cumulative final. Instead of paper/online exams, these will be technical interviews covering the relevant material. Grading of the exams is weighted by how well you do (look at the calculation of your quality grade below). My hope is that you will study for them all, but I know everybody has a bad day every now and then . . . The final will be a cumulative technical interview. For all of these, you can use this link to schedule with me: https://calendly.com/shipsmerlin/one-on-one. Please schedule two sequential 15 minute timeslots.

Discord I require that you join the School of Engineering Discord. That keeps us in touch at all times. Feel free to create channels for particular topics. DMing me there usually gets to me pretty quickly and provides a better trail of our conversations than email.

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. There may be opportunities for extra credit (e.g. attending a talk) to improve a quality grade on a submitted assignment (e.g. revising a submitted deliverable).

Your final quality grade will be calculated as follows:

Activity	Percentage
Reading Quizzes (dropping your lowest)	10%
Projects and homework (not necessarily evenly weighted)	25%
Worst Exam	10%
Second Best Exam	15%
Best Exam	20%
Cumulative Final	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

- Submitting your work compete and 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)

- 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

- 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 in two years in order to graduate.

Policies

Make Up Exams Since they are take home, there no make up exams. A missed exam will get a zero and be the worst exam in the calculation of your grade.

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.

Title IX

Shippensburg University of Pennsylvania and its faculty are committed to assuring a safe and productive educational environment for all students. In order to comply with the requirements of Title IX of the Education Amendments of 1972 and the university's commitment to offering supportive measures in accordance with the regulations issued under Title IX, Shippensburg University of Pennsylvania requires faculty members to report incidents of sexual violence shared by students to the university's Title IX Coordinator, Dr. John Burnett [JABurnett@ship.edu] or [Title9@ship.edu]. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a university- approved research project. **Faculty members are obligated to report sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred to the person designated in the university' Protection and Supervision of Minors on Campus Policy.**

Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence are available on the Office of Human Resources website:
https://www.ship.edu/about/offices/hr/title_ix_statement/

Reports may be made to the following individuals:

Dr. John Burnett	Nipa Browder	Jennifer Milburn	Trejon Dinkins
Title IX Coordinator	Deputy Title IX Coordinator	Deputy Title IX Coordinator	Deputy Title IX Coordinator
Office of Human Resources	Office of Human Resources	Accounts Payable Office	Retention and Student Success
Old Main 106-A			
Shippensburg, PA 17257			
Ph: 717-477-1323	Ph: 717-477-1124	Ph: 717-477-1904	Ph: 717-477-1123 x3075
Cell: 724-317-6415			
Fax: 717-477-4037			
Email: JABurnett@ship.edu	Email: NBrowder@ship.edu	Email: JSMilburn@ship.edu	Email: TADinkins@ship.edu
		Alix Rouby	Mary Burnett
		Deputy Title IX Coordinator	Deputy Title IX Coordinator
		Career Center	International Programs
		Ph: 717-477-1595	Ph: 717-477-1279
		Email: AJRouby@ship.edu	Email: MEBurnett@ship.edu

Link for the online reporting form: (This is for reporting an issue, not making a formal complaint):
https://cm.maxient.com/reportingform.php?ShippensburgUniv&layout_id=3

Link for the Formal Complaint form:
https://cm.maxient.com/reportingform.php?ShippensburgUniv&layout_id=21

Link for campus resources:
https://www.ship.edu/about/offices/hr/title_ix_statement/resources/