

CS 350 Software Development Principles

Spring 2021



Catalog Description	This course covers formal approaches and tools for conceiving, understanding, analyzing, designing, building, testing, deploying, documenting and maintaining large software systems. Topics may include software lifecycle models; project and team management; verification and validation techniques; legal and ethical issues; practical development and application of skills in critical thinking, communication and professionalism. A major team-based software development project is required.
Prerequisites	At least a C+ (2.3) in CSCD 212 and 300 (APE clearance waived)
Schedule	1000–1050 daily: lecture and lab days TBD; four credit hours https://ewu.zoom.us/j/98354813121?pwd=bEdZODhyUUw0UnpLVdIKS2cydjZ2UT09
Instructor	Dan Tappan, Professor dtappan@ewu.edu
Office Hours	M–R 0900–0950 or by appointment https://ewu.zoom.us/j/94688721627?pwd=Y0UzRjFtNUh2dUhTTUtGU0NjbkljUT09
Textbook	None
Web Page	shelby.ewu.edu
Grading	Tasks/Project: 100% (the distribution will be determined based on the project development)

Course grades are based on the new letter grade standard. You need a C+ (77% or higher) to pass.

%	Old	New	%	Old	New	%	Old	New	%	Old	New
93	3.8	A	89	3.4	B+	79	2.4	C+	69	1.4	D+
92	3.7	A-	88	3.3	B+	78	2.3	C+	68	1.3	D+
91	3.6	A-	87	3.2	B+	77	2.2	C+	67	1.2	D+
90	3.5	A-	86	3.1	B	76	2.1	C	66	1.1	D
			85	3.0	B	75	2.0	C	65	1.0	D
			84	2.9	B	74	1.9	C	64	0.9	D
			83	2.8	B	73	1.8	C	63	0.8	D
			82	2.7	B-	72	1.7	C-	60	0.7	D-
			81	2.6	B-	71	1.6	C-			
			80	2.5	B-	70	1.5	C-	0	0.0	F

Percentages may be adjusted at the end of the quarter to map to this scale. There are both individual and team tasks. Abandoning your team without properly withdrawing from the course may result in an F grade.

Unless otherwise specified, written tasks are due in class at the start of class and electronic tasks are due by midnight through the course web page. No late submissions will be accepted for anything without prior approval.

Unless otherwise stated, the only acceptable format for electronic documents is PDF. Be sure your name is at the top.

If you are unable to keep pace with the course for documented reasons (e.g., health or family issues), you are expected to withdraw or to request an incomplete, if it is past the withdrawal deadline. To be eligible for an incomplete, you must be passing, and the conditions that prompted the request must be reasonably beyond your control.

Attendance is expected, but it does not directly contribute to your grade. A common reason for low grades in this course is lack of attendance resulting in poor understanding of the tasks and project. Treat this course as you would a real job, and you should gain significant, valuable career experience.

Policies Academic Integrity

Academic Integrity is the cornerstone of the university. Any student who attempts to gain an unfair advantage over other students by violating the Academic Integrity policy may be reported to the university and may receive a sanction up to and including XF for the course, suspension, or expulsion from the university. This policy is on the EWU web site: <https://inside.ewu.edu/policies/knowledge-base/wac-172-90-student-academic-integrity-3/> Let me know if you are at all unclear about what is considered acceptable.

Disability Services

Eastern Washington University is committed to providing support for students with disabilities. If you are a student with physical, learning, emotional, or psychological disabilities needing an accommodation, you are encouraged to stop by Disability Support Services (DSS), TAW 124 or call 509-359-6871.

Any accommodations must be approved by me in writing. Due to our fast-paced schedule, large class size, and team activities, additional time on tasks is not normally available. There are no tests or quizzes.

Equal Opportunity/Affirmative Action

EWU recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct will not be tolerated. If you have been subjected to sexual misconduct, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, I must report the matter to the Title IX Coordinator. Should you want to report to a confidential source, you may contact the following:

Sexual Assault Family Trauma (SAFeT)	624-7273 (24 hours)
YWCA Domestic Violence Crisis Line	326-2255 (24 hours)
Suicide and Mental Health	838-4428 (24 hours)
Counseling and Psychological Services (CAPS)	359-2366

Eastern Washington University does not discriminate in its programs and activities on the basis of race, color, creed, religion, national origin, sex, pregnancy, sexual orientation, gender identity/expression, genetic information, age, marital status, families with children, protected veteran or military status, HIV or hepatitis C, status as a mother breastfeeding her child, or the presence of any sensory, mental, or physical disability or the use of a trained guide dog or service animal by a person with a disability, as provided for and to the extent required by state and federal laws.

Eastern Washington University adheres to affirmative action policies to increase the number and retention of students and employees from historically underrepresented groups.

Student Conduct

Students are subject to the University's Student Conduct Code, which has been promulgated as Chapter 172-120 in the Washington Administrative Code. This code protects the interests of the University in providing an atmosphere supportive of student learning. Students are expected to treat other individuals with respect and to engage in the learning activities assigned. Distracting, disruptive, irrelevant, or inappropriate behavior will not be tolerated.

- Outline** The first lectures provide an overview of the planned contents and general order of coverage.
- Other** This syllabus is subject to change with reasonable notice.