

# CSCD 350 Software Development Principles

## Spring 2019



<b>Catalog Description</b>	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.
<b>Prerequisites</b>	At least a C+ (2.3) in CSCD 300 and APE clearance
<b>Schedule</b>	1200–1250: MTR CEB 107 lecture, WF CEB 207/208 lab (as announced); four credit hours
<b>Instructor</b>	Dan Tappan, Associate Professor, Computer Science CEB 316 dan-350@csmail.compsci.ewu.edu (course communication to any other address will be ignored) (509) 359-7093 (email preferred)
<b>Office Hours</b>	M–F 1000–1050, by appointment, or if my door is open (but you may not have priority)
<b>Textbook</b>	None
<b>Web Page</b>	shelby.ewu.edu
<b>Grading</b>	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 will 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.

Communication skills and professionalism are essential in any real-world work environment. Everything you do in this course, including email communication, is expected to reflect a high degree of quality. Up to 50% may be deducted in addition to the stated criteria on any task for problems with spelling, grammar, organization, clarity, adherence to instructions, and other quality-related measures.

Unless otherwise stated, the only acceptable format for electronic documents is PDF. The library, PUB, and most computer labs on campus have document scanners, if necessary. There is a 10% deduction for not including your name (unless otherwise specified). In the event that compressed submissions are permitted, any PDF document associated with the submission must be uncompressed and separate.

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.

The course email address must be used at all times. I will not respond otherwise. Once we are in a conversation, however, simply reply regardless of the address.

## **Policies**   General

Cell phones and any other potentially disruptive devices must be turned off before entering the classroom. If you are expecting a critically important call, inform me before lecture, sit near the door, and take the call well outside any classroom in use.

The classroom environment is intended for course-related activities only. Occasional, minor usage for other reasonable purposes is acceptable, but you should not use class time for personal online activities. Your perception of your multitasking abilities is deceptive and detrimental to learning.

### Academic Integrity

Discussion and collaboration among students is encouraged to broaden your understanding of the material. However, unless otherwise specified, all submitted work must belong uniquely to each student. The EWU Student Academic Integrity Policy at <https://sites.ewu.edu/universitycollege/policies-procedures/academic-integrity> will be strictly enforced. Let me know if you are at all unclear about what is considered acceptable.

### Disability Services

EWU 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 visit Disability Support Services in Tawanka Hall 124 or call 359-6871. Further information is available at <https://sites.ewu.edu/dss>.

Any accommodations must be approved by me in writing. Due to our fast-paced schedule and large class size, additional time on assignments is not normally available.

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

### Equal Opportunity/Affirmative Action

No person shall, on the basis of age, race, religion, color, gender, sexual orientation, gender identity, national origin or disability, be excluded from participation in, or be denied the benefits of, or be subjected to discrimination under any program or activity. EWU adheres to affirmative action policies to promote diversity and equal opportunity for all faculty and students.

### 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.

### Inclement Weather

We follow the official university closure policy. Nevertheless, safety is your priority. If coming to class is a legitimate concern, we will try to make reasonable accommodations. Further information, including registration for real-time alerts, is available at [www.ewu.edu/emergency.xml](http://www.ewu.edu/emergency.xml).

**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.