

COMP SCI 3100

Software Engineering I

Tentative Fall 2019 Syllabus

- Section 101 (71278): MWF 11:00-11:50, Bertelsmeyer B10

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Office: Computer Science Building 324

Office Hours: Open Door Policy (Try Tu/Th 2p-3:30p), and also by appointment

Course Outcomes

This course is designed as an overview and introduction to software engineering methodologies including requirements, design, implementation, and testing. This course balances theoretical underpinnings with experiential components including utilization of CASE tools and group projects.

Intended Course Audience/Prerequisites

The intended audience for this course is Computer Science students who have completed CS 2500, Algorithms, with a C or better and are at least Junior standing.

Course Materials

Required Text: Beginning Software Engineering, Wiley ISBN-13: 978-1-118-96914-4

Canvas: The Canvas “Learning Management System” (LMS) will be used to provide information including administration of homework and grades. This can be accessed through <http://canvas.mst.edu> and additional help can be sought from the IT Helpdesk (<http://it.mst.edu/help-desk/>) or Ed Tech (<https://edtech.mst.edu>).

Grading

The final grade will be a combination of 50% individual activities and 50% group activities. Each assignment will clearly state if it is individual or group in nature.

The grades are based on the following scale:

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D

Assignments

A variety of theoretical and practical components will be assigned throughout the semester. These will include in-class exercises, individual assignments, and group assignments. Details for coursework will be provided within Canvas including deadlines and due dates.

Course Requirements/Policies

Attendance and participation in classroom and group activities is expected unless prior arrangements have been made. Learning of the material **is required** and attendance at, and participation in, class show your commitment to learning. Also note that participation in in-class activities cannot happen if you are not in class. If your attendance and grades appear significantly lacking, you will be administratively dropped. Conversely, if you make a strong effort toward attending and participating in class, that may be considered in assignment of final grades.

Late Work

Work may be submitted for partial credit. It is always better to have completed an assignment and submitted late rather than leaving it incomplete. All deadlines will be entered within Canvas for the given assignments.

Campus Policies

Accessibility and Accommodations: It is the university's goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please contact Disability Support Services at (573) 341-6655, dss@mst.edu, or visit <http://dss.mst.edu/> for information, or go to mineraccess.mst.edu to initiate the accommodation process.

**Please be aware that any accessible tables and chairs in this room should remain available for students who find that standard classroom seating is not usable.*

Academic Dishonesty: <http://registrar.mst.edu/academicregs/index.html> Page 30 of the Student Academic Regulations handbook describes the student standard of conduct relative to the System's Collected Rules and Regulations section 200.010, and offers descriptions of academic dishonesty including cheating, plagiarism or sabotage. In particular, you must work alone on all tests, exams, and individual programming assignments. Other informational resources for students regarding ethics and integrity can be found online at <http://academicsupport.mst.edu/academicintegrity/studentresources-ai>. Additional guidance for faculty, including the University's Academic Dishonesty Procedures, is also available on-line at <http://academicsupport.mst.edu>.

Academic Assistance: The university provides multiple avenues for additional academic assistance including LEAD and the Student Success Center.

LEAD – The Learning Enhancement Across Disciplines (LEAD) Program sponsors free learning assistance in a wide range of courses for students who wish to increase their understanding, improve their skills, and validate their mastery of concepts and content in order to achieve their full potential. LEAD assistance starts no later than the third week of classes. Check out the online schedule at <http://lead.mst.edu/assist>, using zoom buttons to enlarge the view. Look to see what courses you are taking have collaborative LEAD learning centers (bottom half of schedule) and/or Individualized LEAD tutoring (top half of the schedule). For more information, contact the LEAD office at 341-7276 or email lead@mst.edu.

Student Success Center – The Burns & McDonnell Student Success Center is a centralized location designed for students to visit and feel comfortable about utilizing the campus resources available. The Student Success Center was developed as a campus wide initiative to foster a sense of responsibility and self-directedness to all S&T students by providing peer mentors, caring staff, and approachable faculty and administrators who are student centered and supportive of student success. Visit the B&MSSC at 198 Toomey Hall; 573-341-7596; success@mst.edu; Facebook: www.facebook.com/SandTssc; web: <http://studentsuccess.mst.edu/>

Egress Maps: Students should understand where the classroom emergency exits are located and how to vacate the building. You may familiarize yourself with this information using the classroom egress maps posted on-line at <http://designconstruction.mst.edu/floorplan/>.

Title IX: Missouri University of Science and Technology is committed to the safety and well-being of all members of its community. US Federal Law Title IX states that no member of the university community shall, on the basis of sex, be excluded from participation in, or be denied benefits of, or be subjected to discrimination under any education program or activity. Furthermore, in accordance with Title IX guidelines from the US Office of Civil Rights, Missouri S&T requires that all faculty and staff members report, to the Missouri S&T Title IX Coordinator, any notice of sexual harassment, abuse, and/or violence (including personal relational abuse, relational/domestic violence, and stalking) disclosed through communication including but not limited to direct conversation, email, social media, classroom papers and homework exercises. To contact the MST Title IX Coordinator or learn more about Title IX resources and reporting options (confidential and non-confidential) available to Missouri S&T students, staff, and faculty, please visit <http://titleix.mst.edu>.