



NORTHWEST

MISSOURI STATE UNIVERSITY

MARYVILLE | KANSAS CITY

School of Computer Science and Information Systems
44-692-01/02 – Graduate Direct Project II (3hrs)
Fall 2020

Instructor: Zhengrui Qin

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Office hours: MWF 11:00am – 12:50pm, and F 3:00pm – 4:30pm, or other times by appointments.

Prerequisites: 15 hours toward the M.S. in Applied Computer Science and approval by graduate advisor.

Recommended textbook: No textbook is required. All the material will be posted in Canvas.

Course description: Software development practicum designed to integrate computer-related skills into an intensive project environment. Students enroll in this course for two consecutive semesters, for a total of six credit hours.

Student learning outcomes:

Assessment methods:

Gain experience working on a “real world” project by following software development lifecycle (SDLC).	Project
Be able to use software development tools and techniques including, but not limited to, version control, report generation tools, defect-tracking system, data services, server management techniques, and build tools.	Project, workshop
Install the necessary software required to develop the project.	Project, workshop
Gather requirements from client for the project.	Project, workshop, client meeting
Design user interfaces for the project and performs usability testing for defects.	Project, workshop
Demonstrate knowledge of database, such as designing and creating database on the server, and storing and retrieving data.	Project, workshop
Use agile methodologies to plan and monitor projects.	Project, workshop
Improve soft skills including, but not limited to, communication skills, teamwork and collaboration, conflict resolution, and adaptable to software technologies.	Project, workshop, client meeting

Instructional methods: Class time will be used in four main ways:

- Lectures covering software development lifecycle and tools
- Workshop presentations
- Mid-term and final presentations
- Group discussion and team work

Graded course requirements:

Components	Points
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Team meetings (10 to 15 @each 1 point)	10-15 points
Client meetings (10 to 15 @each 1 point)	10-15 points
Weekly progress (10-15 @each 2 points)	20-30 points
Workshops	30 points
Mid-term presentation	30 points
Final presentation	30 points
Project components (Final project documentation, source code with comments, and other required artifacts)	20 points
Projection contribution	50 points
Miscellaneous	0-20 points
Total	200-240 points

Grading scale:

Percent Range	Grade
90-100%	A
>= 80% and < 90%	B
>= 70% and < 80%	C
>= 60% and < 70%	D
Below 60%	F

Grading policy: Grades are posted in the online gradebook. You are responsible for checking the gradebook at least once a week to ensure that your grades are properly posted. If there is an error in grading, you must bring that to the attention of the class assistant or instructor *within two weeks of the time the grade is posted*.

Course outline/major topics studied:

The following is a tentative schedule and is subject to change. For exact information, including important dates, check the course website.

Week	Activity
Wk 1	Project overview and requirements documented. Project work and weekly progress update.
Wk 2	Project work and weekly progress update.
Wk 3	Project work and weekly progress update.
Wk 4	Project work and weekly progress update. Workshop 1
Wk 5	Project work and weekly progress update. Workshop 2
Wk 6	Project work and weekly progress update. Workshop 3
Wk 7	Project work and weekly progress update. Workshop 4
Wk 8	Mid-term presentations.
Wk 9	Project work and weekly progress update. Workshop 5
Wk 10	Project work and weekly progress update. Workshop 6
Wk 11	Project work and weekly progress update. Workshop 7
Wk 12	Project work and weekly progress update. Workshop 8
Wk 13	Project work and weekly progress update.

Wk 14	Final presentation.
Wk 15	Thanksgiving break (Monday class only). Final presentation.
Wk 16	Preparation week
Final Exam Week	Final exam

Note: Course schedule is subject to change with instructor notification and students will be responsible for abiding by these changes.

Attendance: Students are expected to attend all classes as specified in the course syllabi for each course. This class will have many in-class activities, so attendance is mandatory. Some in-class exercises may have points associated with them and may not be announced in advance. A student who misses such an exercise due to an unexcused absence will not be allowed to make it up and will receive a zero. For an absence to be excused, written documentation must be provided and approved by the instructor abided by the MS-ACS attendance procedure. Excused absences include attendance at a university-sponsored event (documented with an excuse signed by the university sponsor prior to the event) or by circumstances considered adequately extenuating by the course instructor. **Missing more than six classes without excuse will drop the final grade by one letter grade (for example if the student earned a grade of "B" in the course, the final grade would be a "C").** It is the responsibility of the student to promptly notify his or her instructor when unable to attend class. Please refer to the university policy on attendance at <https://www.nwmissouri.edu/policies/academics/Attendance.pdf>

Due Dates: Each assigned, graded activity will have a due date posted. Penalties for late assignments will be described on the website. If no penalty is described, late submissions are not allowed and will receive a grade of 0.

Submissions: All the submissions are online and must submit through Northwest Online before the deadline unless mentioned in the course website. Any incorrect or no submissions by the due date will receive a grade of 0.

Professionalism: Students are expected to behave in a professional manner in their dealings with each other, the class assistant, and the instructor. Emails should be politely written, use proper grammar, and follow the rules of capitalization. Emails **must** include the course number (44-692) and section number (01 or 02) in the subject line. For security reasons, I never open emails that do not include an appropriate entry for the subject.

Final exams: If an emergency occurs that prevents the administration of a course scheduled final examination, the final course grades will be calculated based on the work in the course completed to that point in time and the faculty member's considered judgment. Final exams will not be rescheduled, and a grade of "I" will not be given as a result of an institutional cancellation of a final examination. This final exam policy does not apply to online courses.

Administrative drop: An instructor may request the Office of the Registrar delete a student from a course roster if the student has not met the prerequisite for the course as stated in the catalog, or as a result of non-attendance in the course.

Academic Administrative withdrawal: When it is in the best interest of Northwest Missouri State University for a student to withdraw, a student will be given a W, put on administrative hold, and given notice that they are about to be withdrawn. This action will result in removal of all credits associated with courses that have yet

to be completed in the semester in question and the student will be administratively withdrawn from the University. An Administrative Withdrawal does not affect the student's grade point average. Please refer to Northwest Missouri State University's Academic Administrative Withdrawal Policy at:

<https://www.nwmissouri.edu/policies/academics/Adding-Dropping-Withdrawals.pdf>

University communications: Students are expected to use their Northwest student email account for any electronic correspondence within the university. Students are also strongly advised to check their email and CatPAWS accounts on a regular basis.

Academic integrity policy: The students, faculty, and staff at Northwest endeavor to sustain an environment that values honesty in academic work, that acknowledges the authorized aid provided by and intellectual contributions of others, and that enables equitable student evaluation. Please refer to Northwest Missouri State University's Academic Integrity Policy at <http://www.nwmissouri.edu/policies/academics/Academic-Integrity.pdf>

Learning or Living Accommodations Request Process: Northwest Missouri State University complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 [ADA] and the ADA Amendments Act of 2008 [ADAAA]. If a student has a documented disability that qualifies under the ADA/ADAAA and requests accommodations, they should review the Accessibility and Accommodations webpage at <https://www.nwmissouri.edu/titleixequity/accessibility/index.htm> for guidance, including the accommodations application and supporting documentation requirements. Contact ada@nwmissouri.edu or 660.562.1873 for further assistance. For the university policy on disability accommodation refer to <http://www.nwmissouri.edu/policies/student/Disability-Accommodation.pdf>

Non-discrimination and anti-harassment policy: Northwest Missouri State University is committed to maintaining an environment for all faculty, staff, students, and third parties that is free of illegal discrimination and harassment. Please refer to the Non-Discrimination and Anti-Harassment Policy at <http://www.nwmissouri.edu/diversity/titlevi.htm>

Family Education Rights and Privacy Act (FERPA) policy: Family Educational Rights and Privacy Act of 1974, as amended (commonly known as the Buckley Amendment), is a federal law which provides that colleges and universities will maintain the confidentiality of student education records. Please refer to the Family Educational Rights and Privacy Act (FERPA) Policy at <http://www.nwmissouri.edu/policies/academics/Family-Educational-Rights-and-Privacy-Act.pdf>

COVID-19 Classroom Mitigation: Northwest is committed to the health and safety of the University community and has therefore adopted COVID-19 mitigation policies. Every student must wear a face covering (such as a cloth facemask, bandana, scarf, neck gaiter, or medical mask) over their nose and mouth at all times in all academic building spaces, including classrooms (unless directed not to by the instructor), offices, hallways, and restrooms. Face shields may be worn in addition to, but not in place of, a face covering. Students without face coverings will not be allowed in the classroom until they comply with expectations. Students must also follow directions regarding entries, exits and furniture, and maintain at least 6 feet of social distancing whenever possible. Northwest further asks all students to practice good hygiene and not enter academic buildings or attend face-to-face classes when they feel sick or have been instructed to quarantine/isolate; students who miss class should communicate with their instructors. Students who do not comply with these requirements will be subject to standard disciplinary procedures according to the Northwest Student Code of Conduct (i.e. verbal and written warnings followed by a hearing, if necessary). We thank you for doing your part to maintain our learning environment and to protect the health of fellow Bearcats.

Change in Course Delivery:

It is our goal as a University to continue all courses as planned on campus. However, due to unforeseeable impacts of COVID-19, faculty and students must be prepared to move all courses to a remote/online learning format anytime during the semester, either permanently or for a short term. The type of format (synchronous or asynchronous) will be at the discretion of each faculty member. The University and faculty will communicate with students in the event such action is deemed necessary to preserve the health and safety of students and employees.

Disclaimer: Course schedule is subject to change and you will be responsible for abiding by any such changes. Your instructor will notify you of any changes.