

2. Create static web pages using HTML/CSS
3. Use responsive design
4. Understand the difference between client side and server side
5. Use JavaScript for client side computation.
6. Use Node/Express
7. Understand MVC
8. Create object models
9. Use CRUD operations with a RESTful service.
10. Authenticate users
11. Create and host a web based app

Assessment methods: Desired Student outcomes will be assessed via quizzes, midterms, and a final exam.

Instructional methods: Instructional methods include lectures, individual work, and quizzes.

Graded course requirements:

Category	Weight
Homework	30%
Quizzes	5%
Midterm Exams 2	40%
Final	20%
Attendance/Participation	5%
Total	100%

Grading scale:

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

Course outline/major topics studied:

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

Tentative Fall 2021 Schedule

	MON	WED	FRI
Week 1 – Aug 15		Introduction	GIT
Week 2 – Aug 22	VSCode/GitBash/GitHub	Markdown	Lab time Lab 1 due (End of Lab)
Week 3 – Aug 29	History	HTML Assignment 1 (Git) due (EOD)	Lab time Lab 2 due (End of Lab)
Week 4 – Sep 5	Labor Day No class	HTML Assignment 2 (MD) due (EOD)	Lab time Lab 3 due (End of Lab)
Week 5 – Sep 12	CSS	CSS/Selector Assignment 3 (HTML) due (EOD)	Lab time Lab 4 due (End of Lab)
Week 6 – Sep 19	Responsive Design/Flex	Responsive Design/Bootstrap Material Design Assignment 4 (CSS) due (EOD) <u>Midterm 1 – Thursday</u> <u>September 22, 6pm/7pm</u>	Lab time Lab 5 due (End of Lab)
Week 7 – Sep 26	Java Script Basics	Java Script Assignment 5 (Flex/Bootstrap) due (EOD)	Lab time Lab 6 due (End of Lab)
Week 8 – Oct 3	Java Script	Async/Promises Fetch/Axios Assignment 6 (JS/DOM) due (EOD)	Lab time Lab 7 due (End of Lab)
Week 9 – Oct 10	JSON, NodeJS	Express Assignment 7 (JS/Callbacks/Arrays) due (EOD)	Lab time Lab 8 due (End of Lab)
Week 10 – Oct 17	Hosting, Heroku	MVC ORMs Assignment 8 (NodeJS) due (EOD)	No class Walkout Day Lab 9 due (End of DAY)
Week 11 – Oct 24	View Engines	PUG Assignment 9 (Express/Heroku) due (EOD)	Lab time Lab 10 due (End of Lab)
Week 12 – Oct 31	Backend DB	Mongo/Atlas Assignment 10 (PUG)	Lab time Lab 11 due (End of Lab)

		due (EOD) <u>Midterm 2 – Thursday</u> <u>November 3, 6pm/7pm</u>	
Week 13 – Nov 7	RESTful Services	RESTful Services Assignment 11 (Mongo) due (EOD)	Lab time Lab 12 due (End of Lab)
Week 14 – Nov 14	Security/Media	Testing/Deployment Assignment 12 (RESTful API) due (EOD)	Lab time Lab 13 due (End of Lab)
Week 15 – Nov 21	Thanksgiving Break No class	Thanksgiving Break No class	Thanksgiving Break No class
Week 16 – Nov 28	Extras	Extras Assignment 13 (Authentication) due (EOD) <u>Final – Thursday</u> <u>December 1, 6pm/7pm</u>	
Week 17 – Dec 5 Finals Week	Final week meeting times (in regular classroom) Section 1: Wednesday, December 7 7:30 am - 9:30 am Section 2: Monday, December 5 7:30 am - 9:30 am Section 3: Wednesday, December 7 7:30 am - 9:30 am Section 4: Monday, December 5 7:00 pm - 9:00 pm Section 5: Wednesday, December 7 11:50 am - 1:50 pm		

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

Academic Calendar: <http://www.nwmissouri.edu/academics/calendar.htm>

Final Exam Schedule: <http://www.nwmissouri.edu/registrar/finals.htm>

Programming Assignments

Assignments will be released on Wednesday and come in two parts. A portion of the assignment (the lab portion) will be due and submitted electronically on canvas at the end of the lab period on Friday. The Friday class period will be in class and the instructor and GAs will be available to provide consultation. *Late lab submissions will not be accepted.*

The remainder of the assignment will be due on Wednesday at 11:59pm. These assignments can be submitted late up to 24 hours, but will be assessed a penalty of 10% of the maximum possible score on the assignment. Any work submitted after the late period will receive **NO** credit. The number of points for an assignment may vary depending on the difficulty of the assignment.

Quizzes/Exams

Quizzes will be announced the day before and you will have 24 hours to complete them through the Canvas Website. At the end of the quiz time, submissions will be closed and late submissions will not be accepted.

The midterms and final will be held on the dates specified. If you must miss an exam, it is your responsibility to notify the instructor in person prior to the exam and to provide the instructor with written verification of the reason for your absence. Failure to follow these instructions may result in a grade of zero on the exam.

The midterm exams will be held in the evening starting at 6pm/7pm on **Thursday** evenings September 22 and November 3. They will be paper based exams and will last for 50 minutes.

The final exam will be held in **Thursday** evening December 1 starting at 6pm/7pm and will last for 50 minutes. It will be paper based exams and will last for 50 minutes.

(The location of these exams is not yet finalized. We will need to have two groups, one group starting at 6pm and the other starting at 7pm. We will make an announcement finalizing the details in a couple weeks.)

Finalized Timings

6pm to 6:50pm

Sections/Rooms

7pm to 7:50pm

Sections/Rooms

To Be finalized

All exams are open for one **personally hand written** references (**one side** of one standard 8 ½ by 11 in sheet of paper) but electronic resources are **not** allowed.

Attendance

You are expected to attend class each day AND BE ON TIME. Attendance will be a factor in your grade. If you must miss class due to a university sponsored event (documented with an excuse signed by the university sponsor prior to the event) or by circumstances considered extenuating by the course instructor, it is your responsibility to inform the instructor class time via email. If the instructor was not notified before class time, the absence will be unexcused. Please refer to the general university policy on attendance at <https://www.nwmissouri.edu/policies/academics/Attendance.pdf>

Classroom Decorum

Students are required to come to class prepared for the day's activities. That means be in your seat before the class starts, with the textbook, notepaper or notebook and writing instrument. We will start class promptly at the designated time.

Cell phones and pagers must be turned off during class time and are not allowed during exams. Laptop computers and handhelds may be used during class time if they are being used for a class activity, such as taking notes. Students are not to read or send e-mails, text messages, or surf the web during class time. Anyone using an electronic device to give or receive assistance during exams will be in violation of the "Academic Integrity" section of the catalog.

Northwest Online Tools

Course materials are distributed through the course website at Northwest Online. To access the site, go to <http://www.nwmissouri.edu/online/>. Click the link for Technical Support to see the basic technical requirements your computer system must satisfy. Use the links to configure and test your devices.

Accessing Course Materials

To access course materials go to the Northwest Online site and log in. Your login ID is your Northwest Student Number (S-----). Your password is your social security number, or your 919 number, without dashes. If you are a returning online student, your password will be the same as last trimester. During the first week of classes, *all* students are required to visit the site, check that their computer system meets the technical requirements, and complete the Student Orientation Course, which shows how Northwest Online operates.

Announcements and email

Announcements are communicated via the **Announcements** page on the course website and your Northwest Missouri State University email account. It is your responsibility to check each of these sources daily. Note that you must use your Northwest e-mail account on the Northwest Online site. For security reasons, emails without an appropriate subject may not be opened. Emails *must* include a useful signature; unsigned emails may not receive a reply.

Northwest Online Helpdesk. for Canvas and eConferencing Software

Hours: 24/7/365

helpdesk@northwestonline.org

☎ 877.740.2213

NWMSU Helpdesk. for General Questions on Campus Computer, Software, and Networking

Hours: Monday-Thursday 8-9; Friday 8-5

helpdesk@nwmissouri.edu

☎ 660.562.1634

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.

Wellness: Northwest focuses on student success—every student, every day.

The Wellness Center, 660.562.1348, offers free counseling for students coping with depression, anxiety, alcohol or drug misuse, relationships, and other emotional, social, and academic stressors. In addition, faculty, staff, and students who are concerned with student wellbeing can report their concerns, including anonymously, to the Behavioral Intervention Team, so that the student can be offered relevant support, at this

link: [Concerning Behavior Reporting Form](#). If you are concerned about the immediate safety of a student, please call the University Police, who have specialized training in intervention, at 660.562.1254.

The wellness center website has links to a lot of resources (both human and on-line) that you might find of use. Check it out at: <https://www.nwmissouri.edu/wellness/index.htm>

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 Educational 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>

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.