

Upon completion of this course, each student should be able to:

1. Use GIT for version control
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 16		Introduction	GIT
Week 2 – Aug 23	VSCode/GitBash/GitHub	Markdown	Lab time Lab 1 due (End of Lab)
Week 3 – Aug 30	History	HTML Assignment 1 (Git) due (EOD)	Lab time Lab 2 due (End of Lab)
Week 4 – Sep 6	Labor Day No class	HTML Assignment 2 (MD) due (EOD)	Lab time Lab 3 due (End of Lab)
Week 5 – Sep 13	CSS	CSS/Selector Assignment 3 (HTML) due (EOD)	Lab time Lab 4 due (End of Lab)
Week 6 – Sep 20	Responsive Design/Flex	Responsive Design/Bootstrap Material Design Assignment 4 (CSS) due (EOD) <u>Midterm 1 – Thursday September 23, 6pm/7pm</u>	Lab time Lab 5 due (End of Lab)
Week 7 – Sep 27	Java Script Basics	Java Script Assignment 5 (Flex/Bootstrap) due (EOD)	Lab time Lab 6 due (End of Lab)
Week 8 – Oct 4	Java Script	Async/Promises Fetch/Axios Assignment 6 (JS/DOM) due (EOD)	Lab time Lab 7 due (End of Lab)
Week 9 – Oct 11	JSON, NodeJS	Express Assignment 7 (JS/Callbacks/Arrays) due (EOD)	Lab time Lab 8 due (End of Lab)
Week 10 – Oct 18	Hosting, Heroku	MVC ORMs Assignment 8 (NodeJS) due (EOD)	Lab time Lab 9 due (End of Lab)
Week 11 – Oct 25	View Engines	PUG Assignment 9 (Express/Heroku) due (EOD)	Walkout Day No class Lab 10 due (End of DAY)
Week 12 – Nov 1	Backend DB	Mongo/Atlas Assignment 10 (PUG) due (EOD) <u>Midterm 2 – Thursday November 4, 6pm/7pm</u>	Lab time Lab 11 due (End of Lab)

Week 13 – Nov 8	RESTful Services	RESTful Services Assignment 11 (Mongo) due (EOD)	Lab time Lab 12 due (End of Lab)
Week 14 – Nov 15	Security/Media	Testing/Deployment Assignment 12 (RESTful API) due (EOD)	Lab time Lab 13 due (End of Lab)
Week 15 – Nov 22	Thanksgiving Break No class	Thanksgiving Break No class	Thanksgiving Break No class
Week 16 – Nov 29	Extras	Extras Assignment 13 (Authentication) due (EOD) <u>Final – Thursday December 2, 6pm/7pm</u>	
Week 17 – Dec 6	Final week meeting times Section 1: Tuesday, Dec 7 4:10 pm - 6:10 pm Section 2: Monday, Dec 6 7:30 am - 9:30 am Section 3: Thursday, Dec 9 9:40 am - 11:40 am Section 4: Monday, Dec 6 11:50 am - 1:50 pm Section 5: Thursday, Dec 9 9:40 am - 11:40 am		

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 unannounced and will use the Canvas Website.

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 on **Thursday** evenings September 23 and November 4. They will be paper based exams and will last for 50 minutes.

The final exam will be held in **Thursday** evening December 2 starting at 6pm and will last for 50 minutes. It will be electronic and only the quiz engine is allowed.

(The timing on these exams has not yet been finalized. There is a chance that 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

Sections 3/4/5 at 6pm to 6:50pm

Sections 1/2 at 7pm to 7:50pm

All quizzes/exams are open for 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: During this time of Covid and enhanced Online course content delivery, it is easy to feel isolated and not take the best care of yourself. But there are resources out there that can help you. 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. Here are some links to online resources that are available as well.

Wellness Center Website: <https://www.nwmissouri.edu/wellness/index.htm>

Wellness Center Well-Being Resources (lots of

links): <https://www.nwmissouri.edu/wellness/wellness%20resources.htm>

TAO (Therapy Assist Online) (self guided): <https://www.nwmissouri.edu/wellness/counseling/tao/index.htm>

Body U (self guided) : <http://bodyu.org/>

RESPOND training (training for helping others, students are welcome): <https://www.nwmissouri.edu/wellness/respond.htm>

Concerning Behavior Report (one of many ways to report a potential issue): https://cm.maxient.com/reportingform.php?NorthwestMOStateUniv&layout_id=5

Wellness Center Workshops(lots of topics, students welcome): <https://www.nwmissouri.edu/wellness/Hope4All/workshops.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 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 and its variants, faculty and students must be prepared to adjust course formats or mitigation strategies anytime during the semester, either permanently or for a short term. 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.

Quarantine checklist:

YOUR to do List:

- Call 911 if you experience difficulty breathing or a change in your level of consciousness.
- Contact Wellness Services at 660.215.8573 with questions. You may text or call between 7 a.m. and 7 p.m. If you have an emergency outside of these hours, contact UPD at 660.562.1254.
- Notify all of your instructors of your absence and predicted date of return. They will assist you in your coursework by providing information on their strategies for distance learning. Please ensure that you have your laptop, notes, textbooks, and other necessary course materials when you enter into quarantine. Lack of engagement in your coursework during quarantine will likely result in lower grades or failure. When communicating with your instructors, you may provide them with the reason you cannot be in the classroom, but you are not required to do so.
- Stay away from all people.
- You must talk with a Wellness Services staff member every few days, either by phone, text, Zoom or Skype. If you develop COVID-19 symptoms, you **MUST** notify Wellness Services immediately. It is important for your wellbeing that Northwest maintains contact with you. We want to know you are doing okay, answer any questions you have, check for symptoms and assist with your needs.

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.