

COMP 405: Introduction to Web Design & Development

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| Credits: | 4 |
| Term: | Fall 2023 |
| Class Meetings: | Wednesdays 9:10AM-Noon (M1) and 1:10-4pm (M2) |
| Location: | P128 |
| Instructor: | Karen Jin |
| Department: | Applied Engineering and Sciences Department, UNH Manchester |
| Office: | P139 |
| Email & Phone: | karen.jin@unh.edu, (603) 641-4398 |
| Office hours: | Please email to arrange a meeting time. |

COURSE INFORMATION

CATALOG DESCRIPTION

The fundamental technologies, protocols, and practices that make up the Internet. The Internet as a global information system that has transformed the current business environment. Additional topics include: Internet structure; applications; business uses; legal and ethical issues introduced by networked computers such as privacy, fraud, and security. A significant portion of the course covers Web authoring procedures and languages. Students create a website using HTML/CSS languages and are introduced. No prior computer experience is required. Cannot receive credit if credit earned for CS 403.

RESOURCES

All course materials will be posted on this site. Textbooks are **not** required. Listed below are some resources that we will use in the course.

- W3C school HTML resources: <http://www.w3schools.com/html/>
- W3C school CSS resources: <http://www.w3schools.com/css/>

Note: The links above contain very comprehensive reference resources. Only a small portion of the content will be used in our course.

The course semester has 15 weeks with weekly 2 hour and 50 minute class meetings. These class meetings are structured to create a problem-based learning environment. You will work in teams or individually and explore, question, and explain how key ideas in data analysis. You are expected to study at least 3-6 hours outside class every week.

This course is paired with **class-link tutors**, who are available to work with you individually on course materials and help you develop learning skills. Make your appointment [here](#). The Computing Program in the Department of Applied Engineering and Sciences has **student tech consultants** who are available to help with software configuration and other technical questions you might have. You'll find them in the Tech Consultancy Workroom 124. Working hours are displayed on the door. Course-related communication will take place on our Discord Server.

GRADING SCHEME

Your final grade is calculated as follows:

Labs (25%)

The weekly labs consist of hands-on lab exercises and other active learning activities. Students will be active participants in the development of the content material through individual and group activities and Internet research. Labs are designed to be started and completed during the class meeting time. If you are unable to complete the lab during class then you need to complete on your own before the due day. All Labs are due at

11:59pm on the day of class. Submissions will not be accepted after the deadline. Submissions must be completed through MyCourses in order to receive credits.

Homework (25%)

Independent homework assignments are given and collected on a weekly basis. Unless specifically stated, the major portion of the course work will be done using a browser and a text editor. The homework is designed to build your understanding of the class topics and use of the Internet and to develop your coding ability, e.g., in HTML and CSS. Topics from the homework will be used in class activities, exams and the final project so it is important to complete the material with accuracy and understanding. Each assignment is due at the date and time listed. It is your responsibility to allow enough time during the week to complete the activities despite obstacles (technology driven or personal) that may arise. Late work is anything submitted after the announced due date and time. You will lose 10% per day for work submitted late for up to 48 hours after the due day. Submissions must be completed through MyCourses in order to receive credits.

Final Web Project (30%)

You will create a multi-page web site as the web project. It is an *individual* project designed to apply your web authoring knowledge. It is also intended to give you experience in the creative and artistic aspects of designing and implementing an effective web presence. Web projects will be hosted for grading and public viewing. You will submit a 2-page summary and give a 10 mins final demonstration of your project in class during our last class meeting. Additional check points and progress demo may also be required. The details of project requirements and grading rubrics will be posted in the assignment section of MyCourses.

Participation (10%)

The participation is calculated based on 1) both the quantity and quality of the posts in the class discussion forum, 2) reflections on course work, and 3) individual check-in meetings with the instructor. To earn full points, you must fulfill the discussion requirements for the discussion topic assigned, submit the required reflections and complete at least one check-in meeting during the semester.

Quiz (10%)

There will be 2-3 quizzes in the format of oral test and live coding exercises.

TENTATIVE COURSE SCHEDULE

This is a tentative schedule, subject to change depending on the class pace, student learning needs, and/or unforeseen circumstances. Check the course announcements and emails in MyCourses for up-to-date information.

Week 1 (August 30): Introduction to Front-end Web Development; On to HTML

Week 2 (September 6): Multi-page HTML

Week 3 (September 13): Check-in Review & Group Quiz

Week 4 (September 20): Introduction to CSS

Week 5 (September 27): More CSS

Week 6 (October 4): Check-in Review & Group Quiz

Week 7 (October 11): Borders and Background, and other CSS tricks

Week 8 (October 18): CSS Flexbox and External Style Sheet & (HTML Media elements and more CSS)

Week 9 (October 25): Responsive Webpages and Intro to W3.CSS

Week 10 (November 1): Project Clinic (Project Milestone 1 due on 11/1)

Week 11 (November 8): Peer Review & More W3.CSS

Week 12 (November 15): Web Hosting and Project Clinic

Week 13 (November 22): Thanksgiving; no class

Week 14 (November 29): Project Clinic and Presentation Guidelines

Week 15 (December 6): Project Presentation (Project Final Milestone due on 12/5)

Week 16 (December 13): Final Group Quiz

ACADEMIC HONESTY

1. **Graded independent work** in this class **should be entirely yours** and shall not include work done by others or obtained from external sources.
2. Collaboration is encouraged, unless explicitly stated that the assigned work must be individual work with no collaboration permitted.
3. Sharing the products of your work or your direct participation in doing work for others is also an instance of academic misconduct. Refrain from doing work on behalf of somebody else or from sharing your work products with other students.
4. If the **preparation of your artifacts** benefits from collaborations with peers, tutors, tech assistants, course instructor (that's me), or any other person (friend, relative, etc.), in cases in which collaboration is allowed, **submitted artifacts must include clear attribution to the kind of beneficial collaboration.**
5. If the **preparation of your artifacts** benefits from online sources (ChatGPT, forums, public GitHub repos, tutorials, etc.), in cases in which collaboration is allowed, **submitted artifacts must include clear attribution to the source and source content** you have used.

Failing to comply with these rules is considered a violation of the academic honesty policy.

See UNH's [Academic Integrity Policy](#) more information.

UNIVERSITY and MANCHESTER CAMPUS POLICIES

Attendance

Class attendance is important for your learning. You are responsible for all course assignments and meeting all deadlines unless exceptions are agreed upon with the instructor ahead of time. Attendance in this course is (please state your policy). The following are not considered excused absences: (if you have an excused absence policy). If you need to miss class for a planned activity, let the instructor know ahead of time. See the [Attendance and Class Requirements](#) policy in the undergraduate catalog.

In the event that a student needs accommodation for a religious or cultural holiday/observance, that student is encouraged to make that request as early in the semester as possible.

If you are dealing with an unexpected, extenuating circumstance that will keep you out of class or affect your performance for more than a day or two, reach out to Lisa Enright, Assistant Dean of Student Success, at lisa.enright@unh.edu to request a letter be sent to all your faculty.

If you are required to miss significant class time, you will be provided temporary academic supports so that you can continue to make satisfactory progress in this course. Please contact your instructor to discuss the specific types of supports that will be implemented during your absence. Possible options you may be provided in this class include:

- Class notes from a peer
- Virtual 1-on-1 office hours
- Lecture slides
- Handouts or other materials that are distributed

Center for Academic Enrichment

The Center for Academic Enrichment (CAE) is a free resource for all students enrolled in UNH Manchester courses, as well as alumni with writing for graduate school applications and career seeking. Students are entitled to 1 hour of free individual tutoring, per course, per week. Make a tutoring appointment and access our services through the CAE myCourses Canvas site, call 603-641-4113 or email unhm.cae@unh.edu.

Accessibility services

According to the Americans with Disabilities Act (as amended, 2008), each student with a disability has the right to request services from UNH to accommodate his/her/their disability. If you are a student with a documented disability or believe you may have a disability that requires accommodations, please contact Student Accessibility Services (SAS) located on the Manchester campus in the Student Services Suite (Office 405A).

Accommodation letters are created by SAS with the student. Please follow-up with your instructor as soon as possible to ensure timely implementation of the identified accommodations in the letter. Faculty have an obligation to respond once they receive official notice of accommodations from SAS but are under no obligation to provide retroactive accommodations.

For more information refer to www.unh.edu/sas or contact SAS at 603.862.2607, 711 (Relay NH) or sas.office@unh.edu.

Needs of students of all faiths

In the event that you need accommodation for a religious or cultural holiday/observance, please let me know as early in the semester as possible.

Academic alerts to support your success

The University is invested in your academic success. If I will be concerned about your academic behavior or performance, I may choose to submit an academic alert. Academic alerts are not punitive. The goal is to provide you with support and resources to support your success. They act as an important check-in point and, if you receive an academic alert, a professional advisor will email your UNH email address with next steps. It is strongly recommended that you meet with a professional advisor and connect with me to discuss the reason for the alert.

Expectations of classroom behavior

To ensure a climate of learning for all, disruptive or inappropriate behavior may result in exclusion (removal) from class. As a reminder, use of cell phones/PDAs, and all other electronic devices, to include text messaging, is not permitted in class by Faculty Senate rule unless by instructor permission.

Emotional or mental health distress

UNH Manchester is dedicated to making sure you feel comfortable on campus, in Manchester, and at home. In partnership with The Mental Health Center of Greater Manchester, UNH Manchester offers consultation visits in the Academic Advising department (located in the Student Services suites, 4th floor). Services include:

- Free confidential screening & consultation with a licensed mental health therapist.
- Referrals to mental health or substance misuse treatment.
- And assistance in understanding how to afford additional treatment (with or without insurance!) or find free services.

You can access up to 10 free mental health sessions per academic year. Please call 603-641-4170 to schedule an appointment. Clinicians are available Tuesday and Thursday from 9am-5pm.

If you would like to connect to counseling services directly, you may do so by contacting The Greater Manchester Mental Health Center at (603) 668 - 4111. If you or someone you know is experiencing a mental health or substance misuse crisis, please contact the Mobile Crisis Response Team (MCRT) at (800) 688 - 3544.

The National Suicide Prevention Lifeline provides 24/7, free and confidential support via phone or chat for people in distress, resources for you or your loved ones, and best practices for professionals. Call (800) 273-TALK (8255).

Confidentiality and mandatory reporting Sexual Violence or Harassment – Manchester

The University of New Hampshire at Manchester and its community are committed to assuring a safe and productive educational environment for all students. Title IX makes it clear that violence, harassment, and discrimination based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, and ability.

If you or someone you know has experienced sexual or relationship violence, and/or stalking and harassment, you can find the appropriate resources below:

Reporting On Campus:

- Title IX Deputy Intake Coordinator: Lisa Enright 603-641-4336. Lisa's office is located on the fourth floor in Room 439.
- UNH Manchester Security: 603-641-4124 or located in the second floor foyer

Reporting Off Campus:

- Manchester Police Department - 603-668-8711, 405 Valley St. Manchester, NH
- or your local police department

For emergencies dial 911.

Confidential Support Resources:

- YWCA, NH – 603-668-2299(24hour), 72 Concord St. Manchester, NH
- Sexual Harassment and Rape Prevention Program (SHARPP): 603-862-7233(24hour), 8 Ballard Street, Wolff House, Durham NH 03824
- The Mental Health Center of Greater Manchester: See contact information and hours above
- 24 Hour NH Sexual Violence Hotline: 1-800-277-5570
- 24 Hour NH Domestic Violence Hotline: 1-866-644-3574

Curtailed Operations

- If the university curtails operations due to weather, we will not hold in-person activities for our safety and the safety of others. As soon as possible, I will post an announcement on Canvas about due dates, any make-up work, and (*if applicable*) any online options that may make sense depending on where we are in the course. Please make sure you have access to the UNH Alert RAVE system. If needed, sign up for RAVE Alerts [here](#)

Additional resources

Emotional or mental health distress – *Manchester*

In partnership with The Mental Health Center of Greater Manchester, UNH Manchester offers consultation visits on a walk-in basis and through telehealth appointments. Services include:

- Free confidential screening & consultation with a licensed mental health therapist.
- Referrals to mental health or substance misuse treatment. And assistance in understanding how to afford additional treatment (with or without insurance!) or find free services.

You may email: unhm.wellness@unh.edu to make an appointment to meet with a counselor by clicking [here](#) or by using the QR codes below.

For in person appointments please scan this code



For remote appointments please scan this code



If you would like to connect to counseling services directly, you may do so by contacting The Greater Manchester Mental Health Center at (603) 668 - 4111.

The National Suicide Prevention Lifeline provides 24/7, free and confidential support via phone or chat for people in distress, resources for you or your loved ones, and best practices for professionals. Call (800) 273-TALK (8255).

Sexual Harassment and Rape Prevention Program (SHARPP): Provides free and confidential advocacy and direct services to survivors. (<https://www.unh.edu/sharpp>.)

Behavior Intervention Team (BIT) – Durham provides assistance to the UNH community when a student's behavior suggests harm to self or others, makes referrals to appropriate resources and recommends appropriate actions to the Dean of Students when needed (<https://www.unh.edu/student-life/behavioral-intervention-team-bit>). More information can be provided by calling the Dean of Students at 603-862-2053. Please know that the associate dean of a student's college is also a helpful resource. We work as close partners in concerning student cases.

Crisis Assessment and Risk Evaluation (CARE) Team -- Manchester provides assistance to the UNH Manchester community when there is a need to activate a systematic, coordinated response to students who may be in crisis or whose mental, emotional or psychological health condition may substantially disrupt or directly threaten the safety of the learning environment. The CARE Team receives reports regarding students of concern, develops and implements appropriate interventions, assists students in accessing appropriate resources and recommends appropriate actions to the Dean of Students when needed.

More information regarding the CARE Team can be provided by calling the Assistant Dean of Success at 603-641-4116. To report a student of concern, please go to the following [link](#)

Basic Needs and other resources

There are resources for students with food, housing, and financial insecurities. Faculty are encouraged to list these resources on their syllabus as part of general supports for students.

Durham

Basic Needs Support: Food, Housing, Financial. <https://www.unh.edu/basic-needs>

Civil Rights and Equity Office provides services for student who experience identity-based bias.

<https://www.unh.edu/diversity-inclusion/civil-rights-equity-office>

Sexual Harassment and Rape Prevention Program (SHARPP) provides free and confidential advocacy and direct services to survivors (<https://www.unh.edu/sharpp/>).

Specific for Manchester:

Basic Needs Support: Food, Housing, Financial. <https://www.unh.edu/dean-of-students/getting-help/housing-food-financial-basic-needs-support>

Library: The UNH Manchester librarians are available to assist you with your research. You can contact a librarian by calling 603-641-4173 or by emailing unhm.library@unh.edu.

The following online resources provide information about library resources and services:

UNH Manchester Library webpage: <https://cps.unh.edu/library>

Online Research Guides: <https://libraryguides.unh.edu/index.php?b=s>

Access Library Resources Remotely: <https://libraryguides.unh.edu/remotearchive>

Reserve a study room for Zoom classes: <https://libraryguides.unh.edu/remotearchive/studyrooms>

Center for Academic Enrichment: The Center for Academic Enrichment (CAE) professionals and peers are available to support all UNH Manchester students in maximizing their learning potential through individual in-person and online tutoring, in-class workshops, and study groups in math, writing, course content, study skills, time management, and personal statements. All students registered for UNH Manchester courses are entitled to one hour of individual tutoring, per course, per week. Appointments are available at <https://caetutor.unh.edu>; for more information, contact the CAE at (603) 641-4113, or unhm.cae@unh.edu.

Food Pantry The UNH Manchester Food Pantry, located in room 437 is open Monday through Friday from 8:00am- 9:30pm. Any UNH Manchester community member can take what they need. If you have any questions please email UNHM.Foodpantry@unh.edu

Sexual Harassment and Rape Prevention Program (SHARPP): Provides free and confidential advocacy and direct services to survivors. UNH Manchester's SHARPP Office Hours during Fall & Spring Semesters are Mondays 9am-4pm in Room 471. Zoom Appointment Availability year round is Mon-Fri 9am-4pm
24/7 Crisis Line: 603-862-SAFE (7233)

Main Office: 603-862-3494

<https://www.unh.edu/sharpp/>(<https://www.unh.edu/sharpp/>.)

UNH Manchester students can also contact the YWCA of New Hampshire – 603-668-2299 (24hour), 72 Concord St. Manchester, NH, for crisis or emergency services.

QPR is a training program in mental health awareness and suicide prevention training offered by trained facilitators and members of the UNH Manchester community. Please contact Lisa Enright at lisa.enright@unh.edu should your department or program want to schedule a training session.