

Zerksis D. Umrigar

Office: EB N7; moving shortly to EB L14

Office Hours: Mon, Wed, Fri: 2:15 - 3:15p.

Phone: 777-4316 (during office hours)

Email: umrigar@binghamton.edu

When sending email, please include the course you are registered for (either cs480w or cs580w) as a **single** word in your subject line. Besides office hours, I will be available at other times by appointment. You are also welcome to drop by, more of a chance of getting me during the afternoons and evenings; please knock if the door is shut.

Will be responsible for **all** grading. All questions regarding grading should first be addressed to the grader.

CS 480W Maryson Johnson mjohns54@binghamton.edu

Office Hours: Wed 2:30 - 3:30p, EB P17.

CS 580W-01 Vidisha P Kudalkar vkudalk1@binghamton.edu

Office Hours: Wed 4:00 - 5:00p, EB P17

CS 580W-02 Nikhil C Raverkar nraverk1@binghamton.edu

Office Hours: Wed 2:15 - 3:15p, EB G25

No text, the course will make heavy use of online resources.

Course Setup

- Pop quizzes will test on material covered recently.
- 4-5 projects some of which will build on each other.
- 4-5 homeworks.
- Midterm during regular class time at a time to be announced.
- Final during exam week at time determined by the university.

Pop Quizzes (see below):	15%
Projects (lowest dropped)	30%
Homeworks (lowest dropped)	20%
Midterm:	15%
Final	20%

- If there are n pop quizzes, then the lowest $\lfloor n/3 \rfloor$ quizzes will be dropped.
- Midterm and final will be open-book, open-notes (but no electronic devices) unless specified otherwise.

Pop Quizzes

- Pop quizzes will be closed-book, closed-notes.
- **You must bring a pencil to each class** to fill-in the scantron sheets for the quizzes. A pen will not work.
- You must fill-in your name and optionally your B-number within the bubbles on the scantron sheet. Make sure you know your B-number.
- A quiz will usually have 7 questions with 2 points per question + 1 point for attempting the quiz.

Late Submission Policy

- You are allowed to submit assignments late as long as you do not use more than 7 late days over all assignments over the entire semester.
- A day will count as 24 hours, irrespective of holidays or weekends.
- Late homeworks can be turned in during class or during office hours to either me or the grader/TA. Alternatively, they can be submitted via my mailbox or under my door, with the late submission date clearly mentioned on the submission.
- Late submissions will not be accepted for some assignments, especially before the midterm or towards the end of the semester.

Letter Grade Assignment

- Letter grades assigned strictly monotonically based on numeric course grade.
- A letter grade of A will be given only for consistent superior work.
- It should be relatively easy to get a grade around a B.
- You will get an F only if you miss turning in a lot of work or submit consistently very poor quality work or if you cheat.
- TA *Grading Guidelines* are available.

Academic Honesty

Cheating of any type will be penalized heavily.

- Minimal penalty: an F letter grade for entire course.
- Permissible to collaborate to understand course material, homework questions or project assignments. Not permissible to discuss solutions.
 - If you feel you may have inadvertently crossed the line, then let us know; will not be considered cheating.
 - If submitting an assignment late after solution has been posted, you should obviously not be looking at the solution.
- All registered students must sign and complete an *Academic Honesty Statement*.

- All course material on course web site at <http://zdu.binghamton.edu/cs580w>.
- Course web site mirrored at <http://cs.binghamton.edu/~umrigar/cs580w>. Dynamic portions of the web site will not be mirror'd.
- Slides usually available an hour before class.
- Course web site available via git repository at `ssh://user@remote.cs.binghamton.edu/~umrigar/git-repos/cs580w.git`. Useful for tracking changes.

Course Mailing List

- All students registered for the course should have been subscribed to the [CS580w](#) mailing list.
- To change the email address via which you are subscribed to the list or would like to edit your subscription options, please visit
[<https://www.cs.binghamton.edu/mailman/listinfo/cs580w>](https://www.cs.binghamton.edu/mailman/listinfo/cs580w).

- If you are having problems, please see me ASAP; **do not wait till the end of the semester.**
- Flexible regarding deadlines under exceptional circumstances.
- If you are experiencing undue personal or academic stress at any time during the semester or need to talk with someone about a personal problem or situation, I encourage you to seek support as soon as possible. I am available to talk with you about stresses related to your work in my class.

Contact Info for Help

Dean of Students Office 607-777-2804

Decker Student Health Services Center 607-777-2221

University Police On campus emergency, 911

University Counseling Center 607-777-2772

Interpersonal Violence Prevention 607-777-3062

Harpur Advising 607-777-6305

Office of International Student & Scholar Services 607-777-2510

University Ombudsman Main campus: 607-777-2388; University
Downtown Center office 607-777-2388

Services for Students with Disabilities 607-777-2686 (Voice, TTY)

This course will provide an in-depth understanding of programming for the World Wide Web. Topics will include a technical history of the web, principles of web architecture, web protocols, web design patterns, client-side programming, templating, server-side programming, the mobile web and web security. Students will be assigned programming projects using current state-of-the-art web technologies.

Some Topics

- Javascript: 3-4 weeks.
- Asynchronous programming.
- Technical history of the web.
- HTTP protocol.
- Web architecture, Representational State Transfer (REST).
- Web services.
- Browser technologies.
- A glimpse at the mobile web.

Will build up from the server to the browser.

- HTML
- CSS
- Particular web frameworks (we will cover some frameworks relatively superficially).

- Portable code which runs across multiple browsers/platforms. We will simply target stable versions of `nodejs` and `chrome`.
- Device-specific capabilities.