# CS 480 Course Syllabus

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| **Prefix:** | CS 480 |
| **Title:** | Modern Software Development Practices |
| **# Credits:** | 4 |
| **Semester/Year:** | Spring 2021 |
| **Pre-requisites:** | CS 211 |
| **Meeting Times:** | **Lecture:**  Tu, Th 1PM – 2:50 via Zoom (see canvas for link)  **Lab:**  Same as lecture |
| **Course website:** | Canvas (canvas.humboldt.edu)  Github (https://github.com/HSU-S21-CS480)  Discord (See canvas for link) |

## Instructor Information

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| **Name:** | Adam Carter |
| **Office location:** | The Internet |
| **Office hours:** | We’re online. Shoot me a message on Discord and I’ll respond when I can. |
| **Contact information:** | email: adam.carter@humboldt.edu |

## Textbooks

None

## Other Materials

None

## Course Outline

In this course, you will be exposed to modern software development practices and technologies. By the end of the semester, you will have created two working applications using React & NodeJs. In addition, you will have the opportunity to contribute to an open source project.

## Student Learning Outcomes and Assessment

This course addresses departmental learning outcomes of:

• Computational Thinking

• Technical Writing

• Communicating and Collaborating

This course addresses all three outcomes at a high level. This course requires you to integrate knowledge gained throughout the curriculum. Furthermore, you will be required to submit supporting documentation for each assignment. Lastly, teamwork will be stressed as the final project will be team-based.

# HSU Learning Outcomes that this course addresses:

This course explicitly contributes to students’ acquisition of skills and knowledge relevant to HSU Learning Outcomes:

HSU graduates will have demonstrated:

• Effective communication through written and oral modes.

• Critical and creative thinking skills in acquiring a broad base of knowledge and applying it to complex issues.

• Competence in a major area of study.

HSU graduates will be prepared to:

• Succeed in their chosen careers.

## Grades\*

This course will likely be graded differently than any course you have taken at HSU. Instead of receiving a grade derived from scores on multiple measures, you will instead be graded based on how much you achieve in the course. The two levels are described below.

### Minimally Sufficient (C letter grade)

A minimally sufficient student will have completed the tutorial found inside the [Road to React](https://github.com/the-road-to-learn-react/the-road-to-react) book. After completing the tutorial, a minimally sufficient student will then create a personal blog using React on the *frontend* and Express on the *backend* using a SQLite database for data storage. You have until the end of the semester to complete the minimally sufficient requirements. However, taking the entire semester all but guarantees that you will not meet the qualifications for *excellent* (see below).

### Excellent (B or better)

Having completed the *Minimally Sufficient* requirements, a student wishing to earn a higher grade will begin contributing to one of my open-source projects. The quantity and quality of contribution will determine whether or not the excellent student receives a B-, B, B+, A-, or A in the course.

Attendance in class is mandatory and will be collected throughout the semester. Reading assignments will be regularly assigned. This counts as participation because it will help me make class better for you! Additionally, certain in-class activities may be awarded participation points.

### A Note on Cheating

It is expected that you will draw heavily from online resources – this is how professionals write code. That being said, be sure to cite any source using a // comment on a line above the borrowed code. In general, code found on StackOverflow and Github (and similar sites) is in the public domain, but it is up to ensure that you do not use any copyrighted code.

# Course Calendar

This course is project-based and has a flexible calendar based on the progress of each individual student.

# Students with Disabilities:

If you have any type of disability that may hamper your full participation in course activities, it is your responsibility to inform me of your need for accommodations as soon as possible. I expect to hear from you **within the first two weeks of the semester** so that appropriate accommodations can be arranged.

Complete information on the services available at HSU can be found at the **Student Disability Resource Center** in the basement of the Library, Library 055, **826-4678 (voice)** or **826-5392 (TDD)**. You can reach the Student Disability Resource Center's web site at:

http://www.humboldt.edu/disability/

Please note that some accommodations may take up to several weeks to arrange.

If you qualify for extra time on exams or need other accommodations, it is your responsibility to obtain and provide me with the Exam Accommodation Request form from the SDRC. The form must be presented to me in a timely manner so appropriate arrangements can be made in advance for all exams. I strongly recommend submitting the form at the beginning of the semester or at least one week before the first exam that you wish to use accommodations. It is also strongly recommended that you communicate eligible accommodations and scheduling arrangements with me one week prior to each exam. This will ensure your test accommodation arrangements are completed in a timely manner.

# Add/Drop Policy:

Students are responsible for knowing the University policy, procedures, and schedule for dropping or adding classes. You can find these on the web at:

http://www.humboldt.edu/registrar/students/regulations/schedadjust.html

You can find the University policies for repeating classes at:

http://www.humboldt.edu/registrar/students/regulations/repeat.html

Note that the CSU (and thus HSU) policies on withdrawing from and repeating courses changed as of Fall 2009:

* Students may withdraw from no more than 18 semester-units after the first four weeks of instruction; that is, students may withdraw from no more than 18 semester-units between census and the final 20% of instruction, and only then with a serious and compelling reason.
* Students may repeat courses only if they earned grades lower than a C.
* Students may repeat up to 16 semester-units with grade forgiveness.
* Students may repeat up to an additional 12 semester-units with grades averaged.

**Be careful** – as of Fall 2009, HSU is being much more strict about what constitutes a “serious and compelling reason”.

If you do drop the course, note that it is **your responsibility** to complete and submit the appropriate paperwork. As noted in the University policies for dropping courses, "As a matter of university policy, **the instructor in the course may not drop on behalf of the student**."

# Incompletes:

Incompletes are rarely given and only in the case of a true emergency. They certainly are not appropriate for students who find they have fallen behind on assignments, missed a test, or taken on too much academic, work, or family responsibilities. For these situations, dropping the course would be appropriate (if that is still possible according to the University policies for dropping courses).

# Time Expectations:

Remember the general rule of thumb for college-level courses --- to be successful in a course, you should plan to spend at least 3 hours outside of class for each 1 hour of college course credit. That implies an estimate of at least 12 hours a week spent outside of class for this 4-credit course.

# Academic Honesty:

Students are responsible for knowing policy regarding academic honesty:

http://www.humboldt.edu/studentrights/academic\_honesty.php

Observe that among the actions that are unacceptable are submitting another's program, code, or file as your own and failing to quote material taken from another person’s written work. (Note that copying another student's comments is also unacceptable.)

# Additional University Information:

* **Campus Policies:** HSU maintains a complete list of campus policies at the following website:  
  http://www2.humboldt.edu/academicprograms/syllabus-addendum-campus-resources-policies
* **Attendance and disruptive behavior:** Students are responsible for knowing policy regarding attendance and disruptive behavior:   
  http://www.humboldt.edu/studentrights/attendance\_behavior.php
* **Late arrival to class:** Please attempt to come to class on time, with your headphones put away and your cell phones turned off. If you must arrive late or leave early, please do so with the least possible distraction to other students. If your late/early habits become disruptive, you may be asked to leave the class permanently.
* **Class disruption:** University policy requires that instructors eliminate disruptions to the educational process. Distractions such as excess talking, ringing cell phones, working on assignments for other classes, inappropriate or distracting laptop/tablet/smartphone/gadget use, demonstrations of affection, packing of books early, loud music leaking from headphones, chronic late arrivals or early departures, excessive comings and goings or other behaviors that disrupt the class are not acceptable. Students indulging in such behaviors will first be warned before being required to leave the class permanently.
* **Emergency Evacuation:** Please review the evacuation plan for the classroom (posted on the orange signs), and review the campus Emergency Preparedness web site at: http://www.humboldt.edu/emergencymgmtprogram/campus\_emergency\_preparedness.php   
  for information on campus Emergency Procedures. During an emergency, information regarding campus conditions can be found at **826-INFO** or:  
  http://www.humboldt.edu/emergency