CSC 415

Parallel Computing (Fall 2021) Lecture 1: Class Logistics

Prof. Marco Alvarez, University of Rhode Island

From the 2021-22 catalog ...

CSC 415: Introduction to Parallel Computing

LEC: (4 crs.) Programming techniques to engage a collection of autonomous processors to solve large-scale numerical and non-numerical problems. Processor interconnections. Parallel programming languages and models. Performance measures. (Lec. 3, Project 3) Pre: CSC 411 or ELE 305, and student must be admitted to a degree-granting college. In alternate years.

Welcome!

- Lectures / Labs
 - MWF 1 1:50p @ Tyler 106
- Office Hours
 - TBA
- ▶ Team
 - · Marco Alvarez, Instructor
 - · Young Koh, TA
- Course Website
 - https://homepage.cs.uri.edu/~malvarez/teaching/csc-415/

Course organization

Applications of Parallel Computing

- This course uses materials from the XSEDE and the University of California, Berkeley course "Applications of Parallel Computing"
 - · Most lectures, quizzes and homework assignments
 - · XSEDE supercomputer is available for the class
 - Bridges2 (https://www.psc.edu/resources/bridges-2/)
- Moodle access for Quizzes
 - · https://moodle.xsede.org

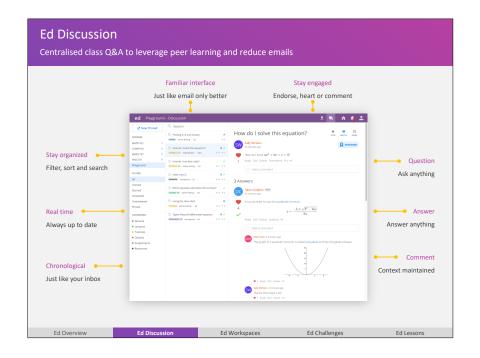
Grading

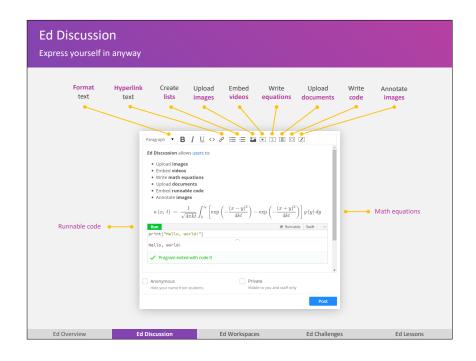
- ▶ Quizzes (15%)
- → Homework Assignments (25%)
- ► Technical Presentation (25%)
- ► Final Project (35%)



Assignments

- Discussions and collaboration are allowed
 - · you must write your own code and solutions
- Late submissions NOT accepted
 - ample time given for assignments (~9 days)
 - · start and submit early, leaving plenty of time for updates
- Plagiarism?
 - · just don't do it
 - reports are sent to the chair with copies to your dean, the student's dean, and the office of student life





Summary of Tools

- Primary Source
 - Course Website
- ► Homework and Project Submission
 - Gradescope
- Course Communication
 - · Ed Discussion
- Quizzes
 - · Moodle @ XSEDE
- Supercomputer
 - Bridges-2 @ XSEDE

How to succeed?

- Attend all lectures/labs
 - · lectures run synchronously and are not being recorded
 - · attendance usually correlates with higher grades
- Participate and think critically
 - use the online forum (EdStem)
 - · use office hours regularly
- Start working on assignments early
 - · avoid copying/pasting or google'ing answers