

XSEDE

Extreme Science and Engineering
Discovery Environment

Collaborative Course Orientation

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Overview

- Class schedule
- Getting faculty registered and connected to the Moodle site
- Getting students registered
- Responsibilities of XSEDE staff and faculty
- Getting help with questions
- Monthly meeting with faculty
- Grades
- Questions

Class Schedule

- UC Berkeley Start January 21, 2020 and end on May 8, 2020
 - Actual start and end date can be modified by individual institutions to reflect local calendar
 - Need to know any constraints you have so that we can pace the start and completion of the course
 - Different start and end dates
 - Vacation weeks

Course Infrastructure

- Course content server
 - XSEDE Moodle Server (moodle.xsede.org)
 - Links to video lectures
 - Quizzes
 - Discussion/help forum – general and institution specific
 - Programming assignments
 - Completed assignment upload and grade sheet
 - News and announcements
 - Faculty discussion area & solutions forum

More infrastructure

- Students will use XSEDE machines to undertake programming assignments
- Faculty will be given an XSEDE account and will be assigned as account managers
 - Can then use the XSEDE site to add your students to the allocation
- Hardware has changed in the past year
 - Assignments will be updated to point to the appropriate computing platforms

Content FAQs

- Some lectures span more than one session
 - Students should view entire lecture before taking the quiz
 - Noted on the relevant quizzes
- Assignment examples
 - Posted for faculty in the discussion area
 - Do not share the full examples but use them as a guide to help your students

More FAQs

- How do faculty and student questions get answered?
 - Post the questions in the relevant discussion area on Moodle
 - Faculty discussion area for students that are not shared with students
 - General discussion area for questions related to everyone in the course
 - Institution discussion area for questions/information relating to just your students

Getting Connected

- All faculty must create an XSEDE portal account (portal.xsede.org)
- Send Kate your XSEDE portal ID (kcahill@osc.edu)
- You will be manually added to the course as a teacher
- To log into the site, use your XSEDE portal account username and password in the OpenID option at the bottom of the login page

Student Registration

- Need to follow a similar process for students
 - Ask all of the students to register for an XSEDE portal account
 - Gather information for students and send a spreadsheet to Kate with name, email, portal account id
 - Kate will send a welcome message and instructions to enroll in the course on the Moodle server

Responsibilities

- Faculty
 - Answer basic questions of your students
 - You or the students should post questions you cannot answer to the Moodle help forum(s)
 - Grade individual assignments using the autograders
 - Create a final project for your students
 - Group or individual projects
 - Receive information on student progress and actively engage students who are falling behind or need extra help
 - Assign a final grade for the class using the information from our quizzes and assignments and the final project
 - Participate in monthly calls to discuss course issues
 - Participate in course evaluation and encourage students to do so

Responsibilities

- XSEDE staff (including Berkeley instructors)
 - Provide access to course server
 - Provide guidance on assignment grading
 - Provide accounts on XSEDE machines
 - Monitor the help forum and answer questions there
 - Lead monthly calls with the faculty
 - Participate in course evaluation

Getting Help with Questions

- Use the Moodle help and related discussions
 - Post to the general forum for everyone or to the special forum for faculty
 - Use extra materials posted for instructors
 - Should edit your Moodle profile to be notified of forum posts by email
 - Post solutions of general interest
- Logistical questions
 - Can also post these to the forums or send email to instructors

Monthly Meeting

- Will try to find a single day and time and works for everyone
- Discuss course questions, logistics
- Suggestions for course improvements
- Share ideas based on the experience of your students

How to Run the Course

- Suggest “flipped classroom”
 - Students watch the online videos on their own
 - Classes used to discuss videos ask questions and work on assignments
- Assignments and grading
 - Up to each instructor to decide on grading structure
 - Free to alter assignments to fit the expertise of your students
 - Final projects to match your student’s interests

Grades

- Need to devise grading scheme
- Grades from the online portion
 - Quizzes graded on 100 point scale
 - Four programming assignments
- Final project grade
- Up to you to create a weighting scheme and make your students aware of that scheme

Questions?

