Course Syllabus Part II
CSD 380 DevOps
9-Week

Course Resources

Course Text:
The DevOps Handbook, 2nd Edition: How to Create World-Class Agility, Reliability, & Security in Technology Organizations; Gene Kim, Jez Humble, Patrick Debois, John Willis, & John Allspaw; IT Revolution Press; 2021

Required Resources:
Computer with internet access and file storage. Links to supplemental materials provided within weekly course descriptions.

Prerequisite:
CSD 320

Course Schedule

Schedule: Week Number	Module to Complete	Topics Covered
1	1	The History of DevOps
2	2	DevOps
3	3	Version Control
4	4	Writing Test Plans and Functional Testing
5	5	Deployment Pipeline and Automated Testing
5	6	Continuous Integration and Low-Risk Releases
6	7	Seeing and Solving Problems
7	8	Hypothesis-Driven Deployments
7	9	Code Reviews
8	10	Converting Local Discoveries into Global Improvements
8	11	DevSecOps Part
9	12	Deployment Pipeline II

Grade Breakdown/Criteria

Assignment	Points per Assignment	Total Points
Discussion Boards (12)	50	600
Presentations (4)	50	200
Written Papers (8)	50	400
Test Plan (1)	50	50
Functional Tests (1)	50	50
Total Points		**1300**

Late Work
Late work is not accepted unless arrangements are made with the instructor for special circumstances.

Participation
Students are expected to login often and contribute to the class on a regular basis, including posting to the discussion board, submitting assignments, and participating in group activities as required. If you have specific participation requirements related to your educational funding or student status, you are expected to monitor your own participation to ensure you are in compliance with those requirements.

Expectations for Students
- Students should expect to spend approximately 15 hours per week to complete the activities and assignments in this course.
- Students will log in as often as needed to complete their assignments and progress through the course.
- Students will treat their classmates and the instructor with respect and courtesy.
- Students are responsible for keeping current with the reading assignments and coming to class prepared to discuss the work assigned.
- Students are responsible for knowing what assignments are due and when.
- Students will submit only their own work and will not commit plagiarism or other acts of academic dishonesty.
- Students will contact the instructor as soon as personal problems arise that may affect the student's ability to complete assignments on time.

Expectations for Faculty
- The instructor will treat all students with respect and courtesy.
- The instructor will make grading criteria clear and follow the criteria scrupulously in evaluating student work.
- The instructor will provide feedback about student work within 6 days of due dates (or 24 hours prior to the next due date)—feedback that helps the student learn and improve.
- The instructor will respond to all student phone and email messages within 48 hours.

Effective Date of Syllabus:3/1/2022