

Course Syllabus Part II

CSD 370 Secure Software Development

9-Week

Course Resources

Course Text:

All-In-One CSSLP Exam Guide, 3rd Edition; Conklin & Shoemaker; McGraw Hill Education; 2019

Required Resources:

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

Prerequisite:

CSD 340 Web Development with HTML and CSS

Course Schedule

Week	Module	Topics Covered	Readings	Assignments
1	1	Core Concepts Security Design Principles	Chapters 1 & 2 Web articles	<ul style="list-style-type: none">• Discussion 1.1• Assignment 1.2• Quiz 1.3
2	2	Security Requirements Compliance Requirements Use/Abuse Cases	Chapters 3, 4, & 5 Web articles	<ul style="list-style-type: none">• Discussion 2.1• Assignment 2.2• Quiz 2.3
3	3	Software Architecture Software Design	Chapters 6 & 7 Web articles	<ul style="list-style-type: none">• Discussion 3.1• Assignment 3.2• Quiz 3.3
	4	Secure Coding Practices	Chapter 8 Web articles	<ul style="list-style-type: none">• Discussion 4.1• Assignment 4.2
4	5	Analyze Code for Security Risks	Chapter 9 Web articles	<ul style="list-style-type: none">• Discussion 5.1• Assignment 5.2
	6	Implement Security Controls Report Introduction	Chapter 10 Web articles	<ul style="list-style-type: none">• Discussion 6.1• Assignment 6.2• Quiz 6.3
5	7	Security Test Cases Report Outline & References	Chapter 11 Web articles	<ul style="list-style-type: none">• Discussion 7.1• Assignment 7.2• Assignment 7.3
6	8	Security Testing Plan	Chapter 12 Web articles	<ul style="list-style-type: none">• Discussion 8.1• Assignment 8.2
7	9	Software Testing and Acceptance Report Rough Draft	Chapter 13 Web articles	<ul style="list-style-type: none">• Discussion 9.1• Assignment 9.2• Quiz 9.3• Assignment 9.4

8	10	Configuration and Version Control Risk Management	Chapters 14 & 15 Web articles	<ul style="list-style-type: none"> • Discussion 10.1 • Assignment 10.2 • Quiz 10.3
9	11	Software Deployment Operations and Maintenance	Chapters 16 & 17 Web articles	<ul style="list-style-type: none"> • Discussion 11.1 • Assignment 11.2 • Quiz 11.3
	12	Supply Chain Risk Supplier Requirements Final Report	Chapters 18 & 19 Web articles	<ul style="list-style-type: none"> • Discussion 12.1 • Assignment 12.2 • Quiz 12.3

Course Activities [Optional]

N/A

Grade Breakdown/Criteria

Grade component

12 Discussion Posts

11 Assignments

1 Written Report

8 Quizzes

Available points

50 pts. each, total of 600 pts.

50 pts. each, total of 550 pts.

100 pts. each, total of 100 points

40 pts. each; total of 320 pts.

Total points possible 1,570 pts.

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.
-