



Critical Infrastructures and Cyber Protection Center (CICPC)
Professional Development Programs

Examination Review Program
Sample Syllabus
Systems Security Certified Practitioner (SSCP)

Live on Wednesdays
Evening Session: 7:00 PM – 11:00 PM

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Number of Live Meetings: 10

Course Description:

Public, government and industry recognition of the International Information Systems Security Certification Consortium (ISC)² System Security Certified Practitioner (SSCP) credential makes it a valuable, professional certification. Organizations now use it as a factor in obtaining qualified expertise for information assurance / information security positions. The Department of Defense Directive (DoDD) 8570.1 identifies the SSCP credential as fulfilling the requirements for Information Assurance Technical (IAT) Levels I & II certification. This course will review the entire SSCP Common Body of Knowledge (CBK) and provide insight into test taking strategies for the examination.

This course will be conducted live in 10 sessions or modules. Each module corresponds to the review text structure and the CBK. Sessions are conducted live and online utilizing the Capitol College Centra delivery platform and each session is recorded for the student to replay as needed to supplement the live instruction or make up a session where live attendance was not possible.

Course Objectives:

1. Provide a comprehensive review of the information contained in each of the 7 CBK areas collected and maintained by ISC².
 - Access Controls
 - Administration
 - Audit and Monitoring
 - Cryptography
 - Data Communications
 - Malicious Code
 - Risk, Response, and Recovery
2. Provide students with relevant test taking strategies for the SSCP examination.
3. Review of sample representative examination questions and provide analysis why specific answers were chosen as the “best” answer.
4. Provide an opportunity to take a timed practice examination during an asynchronous session.

Principle Topics Covered:

1. Introduction and CBK Review
2. Understanding and implementation techniques of logical access controls
3. Principles, practices, and mechanisms of monitoring systems
4. Business and security requirements for Cryptography to include certificates and key management, and secure protocols
5. Recognize, identify, and differentiate the characteristics of malicious code
6. Understanding the business and security requirements for secure networks, wireless, remote access, and firewalls
7. Risk Management
8. Security Assessments
9. Incident Handling and Response
10. Disaster Recovery and Business Continuity Planning
11. Certification and Accreditation
12. Security Best Practices
13. Security administration, life cycle and change management, policies and procedures,

The numbering convention of the CBK has no significance to the module presentation format or sequencing.

Required Texts:

Title: Official (ISC)² Guide to the SSCP CBK

Authors: Dianna-Lynn Contesti, Douglas Andre, Eric Waxvik, Paul A. Henry, and Bonnie A. Goins

Publisher: Auerbach Publications

ISBN: 0-8493-2774-1

Instructional Methods:

The basic mode of instruction will include live classes and research learning. Live classes will be conducted with audio. Your instructor presents the live classes. Students can visit the classroom at any time for additional preparation and review of previous lessons, including the playback of recorded lectures. Both individual and small groups may participate by utilizing the features of Blackboard to collaborate, respond to questions and clarify the subject matter as necessary. Live (synchronous) sessions will be used for CBK area review, class discussions, and question and answer periods. Make sure that you take the time to familiarize yourself with the software and instructions that were provided by Capitol College and CentraOne. If you have any technical questions about Capitol Online or CentraOne and your system, the Capitol College helpdesk staff will be happy to assist you.

Live Sessions:

Instructors present the Live sessions. All students are encouraged to attend Live “synchronous sessions.”

Live “synchronous sessions” are intended to clarify and strengthen the material students have covered in the reading and other research. An active rather than passive role by the student is essential in “online” education. The sessions will consist of discussion and review of assigned material. Discussions will focus upon those areas and issues where comprehension is substantially enhanced by additional elaboration or illustration and those of a controversial nature. The instructor will attempt to emphasize the points and factors that are most important and, in this way, focus on the test taking strategy objectives for this course.

CentraOne has full-time “live mic” capability. Please keep the following in mind:

1. Only one person should “speak” at a time.
2. Students should raise their “electronic hand” as if they were in a classroom. The Professor will call on students who have raised their hand to make a comment or ask a question. Questions/comments will be addressed in the order they were received.
3. Centra also has text “chat” capability. When using text chat enter your comment in short phrases. If you want to comment or ask a question simply send a “Text chat” message to the Professor or raise your “electronic” hand.
4. Following these rules will assist in making the eLearning environment as productive as possible.

Course Outline
ICP-082-Sample_SU07

SSCP Examination Review

Live on Wednesday: (7:00 - 11:00 PM)

(L) = Live Session (with the Instructor) (A) = Asynchronous / Blackboard (without the Instructor)

Date	Session	Module	Topic	Instructor	Readings/URLs
	Session 00		Preparation	Students	Download Syllabus, Lecture Slides, any Additional Readings
	Session 01	MOD 1	Introduction and CBK Review	TBA	Communications Check, and Orientation and Introduction.
	Session 02	MOD 2	Access Controls	TBA	<u>Reading:</u> Text Chapter x
	Session 03	MOD 3	Analysis and Monitoring	TBA	<u>Reading:</u> Text Chapter x
	Session 04	MOD 4	Cryptography	TBA	<u>Reading:</u> Text Chapter x
	Session 05	MOD 5	Lab 1	TBA	Lab Instructions
	Session 06	MOD 6	Malicious Code	TBA	<u>Reading:</u> Text Chapter x
Student Time	Async 1		Exam Review Questions	Individual Study	
	Session 07	MOD 7	Networks & Telecommunications	TBA	<u>Reading:</u> Text Chapter x
	Session 08	MOD 8	Risk, Response and Recovery	TBA	<u>Reading:</u> Text Chapter x
Student Time	Async 2		Exam Review Questions	Individual Study	
	Session 09	MOD 9	Lab 2	TBA	Lab Instructions
	Session 10	MOD 10	Security Operations & Administration	TBA	<u>Reading:</u> Text Chapter x