



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

Examination Review Program
Sample Syllabus
Certified Information Systems Security Professional (CISSP)

Live on Saturdays
Morning Session: 8:00 AM – 12:00 PM
Afternoon Session: 1:00 PM – 5:00 PM

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Number of Live Meetings: 10

Course Description:

Public, government, and industry recognition of the CISSP credential makes it a valuable professional certification. Organizations now use it as a factor in obtaining qualified expertise for senior information assurance / information security positions. The Department of Defense Directive DoD 8570.1-M identifies the CISSP credential as fulfilling the requirements in both the Information Assurance Technical (IAT) and Information Assurance Management (IAM) Tracks as a Level 3 certification. Level 3 is the highest level and currently fulfills the certification requirements for all levels and tracks. This course will review the entire CISSP common body of knowledge and provide insight into test taking strategies for the examination.

This course will be conducted live on Saturdays for 5 consecutive weeks. Each Saturday, we will cover two CBK areas – one in the morning session and another in the afternoon session. Sessions are conducted live and online utilizing the Capitol College Centra® Live delivery platform. 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 10 CBK areas collected and maintained by International Information Systems Security Certification Consortium (ISC)² also referred to as “ISC2.”¹
2. Provide students with relevant test taking strategies for the CISSP exam.
3. Review sample representative exam 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.

¹ ISC² is a registered trademark of International Information Systems Security Certification Consortium, and is not affiliated with Capitol College in any way.

Principle Topics Covered:

1. Access Control
2. Application Security
3. Business Continuity and Disaster Planning
4. Cryptography
5. Information Security and Risk Management
6. Legal, Regulations, Compliance and Investigations
7. Operations Security
8. Physical (Environmental) Security
9. Security Architecture and Design
10. Telecommunications and Network Security

We have adjusted the naming convention of the CBK to the latest adopted by ISC2 and may differ from the official text. The numbering convention has no significance to the module presentation sequencing.

Required Texts:

Title: Official (ISC)2 Guide to the CISSP CBK
Edited by: Harold F. Tipton and Kevin Henry
Publisher: Auerbach Publications
ISBN: 0-8493-8231-9

Instructional Methods:

The basic mode of instruction will include live classes and research learning. Live classes will be conducted with audio and presented by the instructor. For additional preparation, students can visit the classroom at any time to review 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 Centra® Live. If you have any technical questions about Capitol Online or Centra® Live and your system, the Capitol College helpdesk staff (helpdesk@capitol-college.edu) will be happy to assist you.

Instructional Methods: (continued)

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 readings 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.

Centra® Live 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® Live 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-080-Sample_SP07

CISSP Exam Review

Live on Saturdays, with 2 sessions: (8:00 - 12:00 PM) and (1:00 – 5:00 PM)

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

Date	Session	CBK	Topic	Instructor	Readings/URLs
	Session 00		Preparation	Students	Download Syllabus, Lecture Slides, and any Additional Readings
TBA	Session 01 8 AM	CBK 7	Physical (Environmental) Security	TBA	Communications Check, and Orientation and Introduction. <u>Reading:</u> Text Chapter 7
	Session 02 1 PM	CBK 8	Security Architecture & Design	TBA	<u>Reading:</u> Text Chapter 2
TBA	Session 03 8 AM	CBK 2	Application Security	TBA	<u>Reading:</u> Text Chapter 4
	Session 04 1 PM	CBK 10	Telecommunication and Networks	TBA	<u>Reading:</u> Text Chapter 8
TBA	Session 05 8 AM	CBK 6	Operations Security	TBA	<u>Reading:</u> Text Chapter 5
	Session 06 1 PM	CBK 1	Access Control	Randy Esser	<u>Reading:</u> Text Chapter 3
Student Time	Async 1		Exam Review Questions	Individual Study	<u>Text CD-Rom</u>
TBA	Session 07 8 AM	CBK 9	Information Security & Risk Assessment	Al Mineart	<u>Reading:</u> Text Chapter 1
	Session 08 1 PM	CBK 4	Cryptography	Randy Esser	<u>Reading:</u> Text Chapter 6
Student Time	Async 2		Exam Review Questions	Individual Study	<u>Text CD-Rom</u>
TBA	Session 09 8 AM	CBK 5	Legal, Regulations & Compliance	Dave Ward	<u>Reading:</u> Text Chapter 10
	Session 10 1 PM	CBK 3	Business Continuity & Disaster Recovery	Charlie Cayot	<u>Reading:</u> Text Chapter 9