

Information Assurance

CIS-2033 Information Assurance

Course Overview

CIS 2033 Information Assurance

Credit Hours: 3hrs

Course Description

This course provides an overarching model for information assurance for businesses, government agencies, and other enterprises needing to establish a comprehensive security plan. Students will be guided through the components of security and the construction of an effective security policy. Topics include asset identification, human factors, compliance with regulations, personnel security, risk assessment, business continuity, and ethical considerations are covered, as well as computer and network security tools and methods.

Prerequisite: CIS 1163.

Note: Online students need access to a Windows personal computer (Windows 7 or later) which the student can install software on for the duration of the semester.

Learning Outcomes

By the end of the course, learners will be able to:

1. Demonstrate an understanding of the principles related to information assurance.
2. Construct a model security policy.
3. Describe the characteristics of an effective sample comprehensive security plan.

Instructor Information

Name: Dr. James Cain

Contact Information: jim.cain@sbuniv.edu

Resources

Auditing IT Infrastructures for Compliance, Second Edition, Weis, Martin M., and Solomon, Michael G., Jones & Bartlett, Sudbury, MA ISBN: 9781284104387

Course Outline

MODULE ZERO: GETTING STARTED			
Title	Type	Duration	Points
Course Intro/Meet Instructor	Input	.5 hrs	--
Faculty Forum	Announcements	.25hrs	--
Syllabus	File	1hr	--
Course Materials	Ebook	Varies	--
	Totals	2+hrs	0

MODULE ONE: The Need for Compliance			
Title	Type	Duration	Points
Read and Watch	Input	5hrs	--
Quiz 1	Quiz	1hr	20
Quiz 2	Quiz	1hr	20
Quiz 3	Quiz	1hr	20
Discussion 1	Discussion	4hrs	40
Discussion 2	Discussion	4hrs	40
Lab 1	Lab	4hrs	25
Exam 1	Exam	2hr	75
Learner Survey	Feedback	.5hrs	-

	Totals	22.5hrs	250
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MODULE TWO: Auditing for Compliance: Frameworks, Tool, and Techniques			
Title	Type	Duration	Points
Read and Watch	Input	5hrs	--
Quiz 4	Quiz	1hr	20
Quiz 5	Quiz	1hr	20
Quiz 6	Quiz	1hr	20
Assignment1	SOC Compliance Kit	3hrs	30
Assignment 2	Change Mangement	4hrs	40
Lab 2	Lab	4hrs	25
Lab 3	Lab	4hrs	25
Exam 2	Exam	2hr	75
	Totals	25hrs	255

MODULE THREE: Auditing for Compliance: IT Infrastructure Domains			
Title	Type	Duration	Points
Read and Watch	Input	5hrs	--
Quiz 7	Quiz	1hr	20
Quiz 8	Quiz	1hr	20
Quiz 9	Quiz	1hr	20
Quiz 10	Quiz	1hr	20
Discussion 3	Discussion	4hrs	40
Lab 4	Lab	4hrs	30
Exam 3	Exam	2hr	75
Learner Survey	Feedback	.5hrs	-

	Totals	19.5hrs	225
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MODULE FOUR: Ethics, Education, and Certification for IT Auditors			
Title	Type	Duration	Points
Read and Watch	Input	5hrs	--
Quiz 11	Quiz	1hr	20
Quiz 12	Quiz	1hr	20
Quiz 13	Quiz	1hr	20
Quiz 14	Quiz	1hr	20
Quiz 15	Quiz	1hr	20
Assignment 3	Honeypots/nets	2hrs	35
Discussion 4	Discussion	4hrs	40
Lab 5	Lab	4hrs	30
Exam 4	Exam	2hr	75
Course Survey	Feedback	.5hrs	-
Conclusion	Video	--	--
	Totals	22.5hrs	280

Grading

Quizzes: 300
 Discussions: 160
 Assignments: 105
 Labs: 135
 Exams: 300

Each student will earn a grade that is reflective of what they have achieved in this course. Learning is paramount to the educational process. If learning is to take place, there is no

alternative but to work. There are no shortcuts.

Each student will receive a grade for this course that is determined by the total number of points earned. Since grades are based upon what a student earns, it is possible for each student to receive an "A" letter grade.

Letter grades will be assigned according to the following scale:

Course Grading Scale

90-100 A

80-89 B

70-79 C

60-69 D

Below 60 F

Policy/Procedures

The following are the academic policies and procedures for Southwest Baptist University, the university providing academic credit for this course:

ACADEMIC DISHONESTY STATEMENT

The University maintains a strict policy concerning academic dishonesty, which includes cheating, plagiarism, giving assistance on an examination or paper when expressly forbidden by the instructor, and any other practices which demonstrate a lack of academic integrity. Cheating occurs any time a student uses deception in order to avoid fulfilling the specific requirements of an assignment or course and/or in order to receive a higher grade than he/she might otherwise receive. Using artificial intelligence software (such as ChatGPT) to generate writing and passing it off as one's own is also considered cheating. Plagiarism occurs when a student appropriates passages or ideas from someone else's writing into his/her own without providing proper documentation and/or without using quotation marks to indicate when he/she is directly quoting from a source. It is the responsibility of the student to know and to adhere to principles of academic honesty. A student found guilty of academic dishonesty will be subject to academic sanctions ranging from failure on the assignment to failure in the course to, in cases of repeated or flagrant violation, suspension or dismissal from the University. Records of academic dishonesty cases will be kept in a confidential file with the VP for Student Life. More information concerning this policy can be found on pages 61-63 in the 2023-24 SBU Undergraduate Catalog located at:

<https://www.sbuniv.edu/resources/documents/catalog/undergrad-catalog-23-24.pdf>.

INCOMPLETE GRADE

A temporary neutral mark "I" is given at the discretion of an instructor when, for a legitimate reason, a student is unable to complete course requirements in a given semester. Typical instances might be absence from a final examination due to illness or inability to complete a term project because of extenuating circumstances. A contract signed by the instructor and the student must accompany this grade to indicate the nature of the work to be completed. An Incomplete Grade (I) may not be used as an alternative to a grade of F. The student is responsible for completing satisfactorily all of the course requirements within 120 days of the posting of the incomplete grade. If the grade is not made up by the deadline, it will be changed to a failing grade (F) on the transcript. More information concerning this policy can be found on pages 54-55 in the 2023-24 SBU Undergraduate Catalog at:

<https://www.sbuniv.edu/resources/documents/catalog/undergrad-catalog-23-24.pdf>.

DISABILITY STATEMENT

Southwest Baptist University is committed to equal educational opportunities for students with disabilities in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act as amended (ADA). Students requesting academic accommodations must submit a Disclosure of Disability form (located on the SBU website or directly from the Special Services Coordinator). The Special Services Coordinator will then communicate with the student regarding the process of obtaining academic accommodations. Please note that academic accommodations are not retroactive and require advance notice to implement. For further details, contact the Special Services Coordinator (Office: Success Center; Phone: 417-328-1741; Email:

disabilityservices@sbuniv.edu). For additional information visit

<https://www.sbuniv.edu/academics/academic-resources/disability-services.php>

COURSE WITHDRAWAL

There may be instances when a student considers withdrawing from a course. Information related to withdrawals can be found on pages 59-60 of the 2023-24 SBU Undergraduate Catalog at:

<https://www.sbuniv.edu/resources/documents/catalog/undergrad-catalog-23-24.pdf>.

LIBRARY RESOURCES

Library information is available at <https://library.sbuniv.edu/>

CREDIT HOUR POLICY - EXPECTATION OF WORK

In compliance with federal regulations (34CFR 600.2), Southwest Baptist University requires all courses in all formats including, but not limited to, traditional classroom courses, online courses, internships, practica, and independent studies require a total workload of at least 2250 minutes per credit hour for the typical student. This workload may be comprised of time allocated to direct faculty-student interaction, assigned readings, independent or group assignments, expected study time, or other course related activities as appropriate to the specific course and determined by the faculty of record.

GRADE APPEALS

In the case of a grade appeal, the student shall be considered to have an authentic grievance when he/she can demonstrate his/her course grade has been adversely affected due to certain actions by a faculty member. A grade appeal must be initiated within six weeks of the start of the succeeding regular academic semester (fall or spring) from the end of the course that is being appealed.

More information concerning this policy and the steps for resolution can be found on pages 63-64 in the 2023-24 SBU Undergraduate Catalog at:

https://www.sbuniv.edu/_resources/documents/catalog/undergrad-catalog-23-24.pdf

UNIVERSITY DIRECTORY

<https://www.sbuniv.edu/about/employee-directory/>

CAMPUS EDU PRIVACY POLICY

<https://www.campusedu.com/privacy-policy>