

# ISSC325

**STUDENT WARNING:** This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.

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## Course Summary

### Description

**Course Description:** This course presents an introduction to biometrics, the study of recognizing individuals based on their unique physical or behavioral traits related to computer and information security. Authentication, authorization, identification, and access control through biometric perspective are emphasized. The course orients practical applications of biometrics in the real world, providing a realistic view of the use of biometrics within the emerging threats in information security.

### Course Scope:

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### Objectives

The successful student will fulfill the following learning objectives:

- CO-1: Describe various biometric methods and their functional use in biometric security environments
  - CO-2: Illustrate biometric traits and modalities and their advantages and disadvantages
  - CO-3: Examine biometric applications for security solutions
  - CO-4: Categorize database repository and template storage systems for biometric data stipulation
  - CO-5: Compare and contrast commercial and government biometric systems, products & components
  - CO-6: Evaluate biometric multi-factor system designs and the effects of multi-biometrics on the user
  - CO-7: Examine proven biometric technologies for biometric access control
  - CO-8: Distinguish system integrity, accessibility, confidentiality & availability through biometrics
  - CO-9: Assess security and privacy issues with respect to the use of biometrics
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### Outline

#### Week 1:

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## Learning Outcomes

Describe various biometric methods and their functional use in biometric security environments

## Required Readings

Chapters 1, 2 and 3

PPT Review: Lessons 1, 2 and 3

## Assignments

Assignment #1

Recommended Optional Reading

Recommended Media

### **Week 2:**

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Learning Outcomes

Required Readings

Assignments

Recommended Optional Reading

Recommended Media

### **Week 3:**

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Learning Outcomes

Required Readings

Assignments

Recommended Optional Reading

Recommended Media

### **Week 4:**

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Learning Outcomes

Required Readings

Assignments

Recommended Optional Reading

Recommended Media

### **Week 5:**

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Learning Outcomes

Required Readings

Assignments

Recommended Optional Reading

Recommended Media

### **Week 6:**

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Learning Outcomes

Required Readings

Assignments

Recommended Optional Reading  
Recommended Media

### Week 7:

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Learning Outcomes  
Required Readings  
Assignments  
Recommended Optional Reading  
Recommended Media

### Week 8:

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Learning Outcomes  
Required Readings  
Assignments  
Recommended Optional Reading  
Recommended Media

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## Evaluation

### Grading:

Name	Grade %
Forums	20.00 %
Forum # 1	2.50 %
Forum # 2	2.50 %
Forum # 3	2.50 %
Forum # 4	2.50 %
Forum # 5	2.50 %
Forum # 6	2.50 %
Forum # 7	2.50 %
Forum # 8	2.50 %
Assignments	20.00 %
Week # 1 Assignment	5.00 %
Week # 3 Assignment	5.00 %
Week # 5 Assignment	5.00 %
Week # 6 Assignment	5.00 %
Quizzes	10.00 %
Quiz # 1	5.13 %
Quiz # 2	4.87 %
Research Paper	35.00 %
Week # 2 Assignment - Research Paper Topic Selection	5.00 %
Week # 4 Assignment - Research Paper Outline	10.00 %
Week # 7 Assignment - Research Paper - Final	20.00 %
Case Study	15.00 %

## Materials

**Book Title:** Security and Access Control Using Biometric Technologies - The VitalSource e-book is provided via the APUS Bookstore

**Author:** Newman

**Publication Info:** Cengage

**ISBN:** 9781435441057

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**Book Title:** You must validate your cart to get access to your VitalSource e-book(s). If needed, instructions are available here - <http://apus.libguides.com/bookstore/undergraduate>

**Author:** N/A

**Publication Info:** N/A

**ISBN:** N/A

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## Course Guidelines

### Citation and Reference Style

- Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

### Tutoring

- [Tutor.com](http://www.tutor.com) offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours\* of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

### Late Assignments

- Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. The due date for each assignment is listed under each Assignment.
- Generally speaking, late work may result in a deduction up to 15% of the grade for each day late, not to exceed 5 days.
- As a working adult I know your time is limited and often out of your control. Faculty may be more flexible if they know ahead of time of any potential late assignments.

### Turn It In

- Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and

report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.

## Academic Dishonesty

- Academic Dishonesty incorporates more than plagiarism, which is using the work of others without citation. Academic dishonesty includes any use of content purchased or retrieved from web services such as CourseHero.com. Additionally, allowing your work to be placed on such web services is academic dishonesty, as it is enabling the dishonesty of others. The copy and pasting of content from any web page, without citation as a direct quote, is academic dishonesty. When in doubt, do not copy/paste, and always cite.

## Submission Guidelines

- Some assignments may have very specific requirements for formatting (such as font, margins, etc) and submission file type (such as .docx, .pdf, etc) See the assignment instructions for details. In general, standard file types such as those associated with Microsoft Office are preferred, unless otherwise specified.

## Disclaimer Statement

- Course content may vary from the outline to meet the needs of this particular group.

## Communicating on the Forum

- Forums are the heart of the interaction in this course. The more engaged and lively the exchanges, the more interesting and fun the course will be. Only substantive comments will receive credit. Although there is a final posting time after which the instructor will grade comments, it is not sufficient to wait until the last day to contribute your comments/questions on the forum. The purpose of the forums is to actively participate in an on-going discussion about the assigned content.
- “Substantive” means comments that contribute something new and hopefully important to the discussion. Thus a message that simply says “I agree” is not substantive. A substantive comment contributes a new idea or perspective, a good follow-up question to a point made, offers a response to a question, provides an example or illustration of a key point, points out an inconsistency in an argument, etc.
- As a class, if we run into conflicting view points, we must respect each individual's own opinion. Hateful and hurtful comments towards other individuals, students, groups, peoples, and/or societies will not be tolerated.

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## University Policies

### [Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)
- [Appeals](#)
- [Disability Accommodations](#)

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