

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW COURSE PROPOSAL</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner _____ Catalog _____	
	<b>Department</b>  <b>College</b> (To obtain a course number, contact <a href="mailto:erudolph@fau.edu">erudolph@fau.edu</a> )			
<b>Prefix</b>  <b>Number</b>	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) <b>Lab Code</b>	<b>Type of Course</b>	<b>Course Title</b>	
<b>Credits</b> (See <a href="#">Definition of a Credit Hour</a> )	<b>Grading</b> (Select One Option)  <b>Regular</b>  <b>Sat/UnSat</b>	<b>Course Description</b> (Syllabus must be attached; see <a href="#">Template</a> and <a href="#">Guidelines</a> )		
<b>Effective Date</b> (TERM & YEAR)				
<b>Prerequisites</b>     <i>Prerequisites, Corequisites and Registration Controls are enforced for all sections of course.</i>		<b>Academic Service Learning (ASL) course</b>  Academic Service Learning statement must be indicated in syllabus and approval attached to this form.		
		<b>Corequisites</b>	<b>Registration Controls</b> (For example, Major, College, Level)	
<b>Minimum qualifications needed to teach course:</b> Member of the FAU graduate faculty and has a terminal degree in the subject area (or a closely related field).		<b>List textbook information in syllabus or here</b>		
<b>Faculty Contact/Email/Phone</b>		<b>List/Attach comments from departments affected by new course</b>		

<b>Approved by</b> Department Chair _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	_____ _____ _____ _____ _____ _____ _____ _____	<b>Date</b> 3/12/2025  _____ 3/13/2025 3/13/2025 _____ _____ _____ _____ _____
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Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

# CIS 5775

MWF 11:00 – 11:50  
3 credits

Semester, Year  
Prof. XXXXX YYYYYY  
Office: XXXXXX  
Office hours: MWF 11-12  
Classroom: XXXX  
Telephone: 561-297-XXXX  
Email: zzzzzz@fau.edu



TA name	xxxxxx xxxxxxxxxxxx
Office	xxxxxxxxxx
Office hours	MWF xx:xx – xx:xx
Telephone	561-297-xxxx
Email	xxxxxx@fau.edu

## Course Description

This is a course on the foundations of cybersecurity for students with no prior experience in computer science or programming, and will allow students to address real-world challenges in cybersecurity using a low-code environment. The course will cover a number of key topics, including an overview of computer security concepts and its history, computer security technology and principles, software security and trusted systems, management issues, cryptographic algorithms, and network security. Students may not enroll in CIS 5775 if they have already taken CIS 4771.

## Instructional Method

This class is designated as “In-Person w/Recorded Lecture” (section XXX) or “Videotaped Class” (section YYY). In-person class sessions will be automatically recorded and uploaded to Canvas within 24 hours. Student enrolled in section XXX may choose to attend in-person classes or view recordings, whereas students enrolled in section YYY are only able to view recordings.

### Prerequisites/Corequisites

Graduate standing.

### Course Objectives/Student Learning Outcomes

Enable the students to learn fundamental concepts of cybersecurity and utilize these techniques in computing systems.

## Course Evaluation Method

Assignments	10%
Project	20%
Presentation	20%

Exams	50%
<b>Total</b>	<b>100%</b>

All assignments, homework, projects, programs, quizzes, and exams in this course must be individual effort except for group assignments/projects.

**Project:** students are supposed to select one of the following options: (a) Implement existing security systems, or (b) Prepare an essay on a hot cybersecurity topic.

## Course Grading Scale

Grade	Total (%)
A	[93 – 100]
A-	[90 – 92)
B+	[87 – 89)
B	[83 – 86)
B-	[80 – 82)
C+	[77 – 79)
C	[73 – 76)
C-	[70 – 72)
D+	[67 – 69)
D	[63 – 66)
D-	[60 – 62)
F	[0 – 59)

## Policy on Makeup Tests, Late Work, and Incompletes (if applicable)

Late work will not be accepted. All assignments will be posted well in advance, and students may submit assignments early. Any assignment not turned in by the due date will result in a zero.

Make-up tests are given only if there is solid evidence of a medical or otherwise serious emergency situation that prevented the student from participating in the exam.

Incomplete grades are against the policy of the department, and they will only be assigned if there is solid evidence of medical or otherwise serious emergency situation.

## Policy on the Recording of Lectures

Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity.

## **Attendance Policy**

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

## **Counseling and Psychological Services (CAPS) Center**

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

## **Disability Policy**

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at [www.fau.edu/sas/](http://www.fau.edu/sas/).

## **Code of Academic Integrity**

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#).

## **Required Texts/Readings**

N/A

## **Course Topical Outline**

1. Overview of Computer Security Concepts and its History
2. Cryptographic Tools
3. User Authentications

4. Access Control
5. Malicious Software
6. Software Security
7. Operating System Security

In addition, the following topics will be covered depending on the schedule of the class: IT Security Management and Risk Assessment, Legal and Ethical Aspects, and Wireless Network Security as well as lectures on hot cybersecurity topics.

Yuan Wang



Reply



Reply all



Forward



To: Hari Kalva; Mehrdad Nojournian

Wed 3/12/2025 5:25 PM

Cc: Michael DeGiorgio; Dukhong Kim

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You forwarded this message on Wed 3/12/2025 5:40 PM

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Hello Hari and Mehrdad,

Sorry for taking this long to get back to you. The course proposals will be fine with us if you can add registration controls not to allow Math majors (both undergraduate and graduate) to enroll in these classes, for both pairs CIS5775/CIS4771 and CAP5796/CAP4790.

Thank you very much.

Best regards,

Yuan