

 <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>Effective Date</b> (TERM & YEAR)	<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>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 <i>Anita Pennathur</i> College Dean <i>Ken Johnson</i> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	<b>Date</b> 4/13/2023 9/28/2023 9/28/2023 _____ _____ _____ _____ _____
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Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.



Florida Atlantic University  
COLLEGE OF BUSINESS

**ISM 6XXX - Section 001**

**CRN: XXXXX**

**Course Title: Digital Forensics Management,**

**Term: Spring 2023**

**Class Location: In-Person with Live Remote Option, FLXXX**

**Class Meeting Time: X XX:XXPM-XX:XXPM**

### **Professor Information**

Instructor: Dr. XXX XXX

Office: FL XXX, Boca Campus

Email: [xxx@fau.edu](mailto:xxx@fau.edu)

Phone: (XXX) XXX-XXXX

### **Office Hours**

XX XX:XXAM-XX:XXPM, or by appointment (scheduling an online meeting is also available)

### **Required Text and Materials**

Bill Nelson, Amelia Phillips, and Christopher Steuart, *Guide To Computer Forensics and Investigations*, 6<sup>th</sup> edition, Cengage, 2018, ISBN 9781337568944

### **Course Description**

This course focuses on principles and techniques for digital forensics. It covers the major topics of digital forensic investigation including incident scene management, digital evidence acquisition and preservation, file systems, data recovery, examination with forensic software, network forensics, and mobile forensics.

### **Course Prerequisites and Credit Hours**

This course is 3-credit and has no prerequisite.

### **Class Time Commitments**

According to Florida Administrative Code, Rule 6A-10.033, students must spend a minimum 2,250 minutes of in-class time during a 3-credit course. Additionally, students enrolled in a 3-credit course are expected to spend a minimum of 4,500 minutes of out-of-class-time specifically working on course-related activities (i.e., reading assigned pieces, completing homework, preparing for exams and other assessments, reviewing class notes, etc.) and fulfilling any other class activities or duties as required. The course schedule for this course reflects this expectation of students.



### **Course Learning Objectives**

This course is graduate level and the following learning outcomes are expected of students:

1. Students will demonstrate an ability to understand the principles and concepts related to data acquisition and preservation, Windows and Linux file systems, computer storage devices and memory, computer networks and mobile devices.
2. Students will develop the necessary skills to examine digital evidence by using relevant tools including forensic software, write blocker, password cracker, network analyzer, hexadecimal reader, and registry reader.
3. Students will demonstrate the ability to prepare forensic reports based on their forensic investigation through the term project.

### **Course Delivery Mode**

This course uses an in-person with live remote option mode. F2F and online Zoom meetings will occur weekly in the classroom and through the Zoom link.

All the course materials are accessible only through FAU's learning management system, Canvas. You must log into Canvas with your FAU ID and Password to access the materials and assignments in this course. If you do not know your FAU ID or Password, [contact OIT for help](#).

### **Course Resources**

This course will use the Canvas course management tool, and changes will be announced on the course web site. Students are expected and required to have Internet access to download the course materials. It is the student's responsibility to check their FAU email regularly. The instructor will assume that all announcements or updates sent out to the students' FAU email address are received, read, and acted upon accordingly.

### **Minimum Technology & Computer Requirements**

#### **Hardware & Software Requirements**

##### **Hardware**

- Dependable computer
- Computer speakers
- Headset with microphone
- Webcam

##### **Software**



- A computer running Windows 10 and above with at least 4GB of RAM.
- Apple machines can virtualize Windows.
- Reliable web browser (recommended Chrome or Firefox)
- Canvas mobile app: Download instructions for iOS device or Android device
- Microsoft 365 Suite
- Adobe Reader

### **Internet Connection**

- Recommended: Broadband Internet connection with a speed of 4 Mbps or higher.
- To function properly, Canvas requires a high-speed Internet connection (cable modem, DSL, satellite broadband, T1, etc.). The minimum Internet connection speed to access Canvas is a consistent 1.5 Mbps (megabits per second) or higher.
- [Check your internet speed here.](#)

### **MINIMUM TECHNICAL SKILLS REQUIREMENTS**

The general and course-specific technical skills you must have to succeed in the course include but are not limited to:

- Accessing the internet.
- Using Canvas (including taking tests, attaching documents, etc.).
- Using email with attachments.
- Creating and submitting files in commonly used word processing program formats such as Microsoft Office Tools.
- Copying and pasting functions.
- Downloading and installing software.
- Using presentation, graphics, and other programs.
- Posting and commenting in an online discussion.
- Searching the FAU library and websites.

### **TECHNICAL SUPPORT**

In the online environment, technical issues are always possible (e.g., lost connection, hardware or software failure). Many of these can be resolved relatively quickly, but if you wait until the last minute before due dates, the chances of these glitches affecting your success are greatly increased. Please plan appropriately. If a problem occurs, it is essential you take immediate action to document the issue so your instructor can verify and take appropriate action to resolve the problem. Most issues in Canvas can be resolved by clicking on the “Help” tab located on the menu bar.



When a problem occurs, click “Help” to:

- Report a Problem
- Live Chat with Canvas Support
- Search Canvas Guides

### **Additional Technical Support**

1. Contact the eLearning Success Advisor for assistance: (561) 297-3590
2. If you can, make a Print Screen of the monitor when the problem occurs. Save the Print Screen as a .jpg file. If you are unfamiliar with creating a Print Screen file, see [Print Screen instructions](#).
3. Complete a [Help Desk ticket](#). Make sure you complete the form entirely and give a full description of your problem so the Help Desk staff will have the pertinent information in order to assist you properly. This includes:
  - a. Select “Canvas (Student)” for the Ticket Type.
  - b. Input the Course ID.
  - c. In the Summary/Additional Details section, include your operating system, Internet browser, and Internet service provider (ISP).
  - d. Attach the Print Screen file, if available.
4. Send a message within Canvas to your instructor to notify him/her of the problem. Include all pertinent information of the incident (2b-d above).
5. If you do not have access to Canvas, send an email to your instructor with all pertinent information of the incident (2b-d above).
6. If you do not have access to a computer, call your instructor with all pertinent information of the incident. If he/she is not available, make sure you leave a detailed message.
7. If you do not hear back from the Help Desk or your instructor within a timely manner (48 hours), it is your responsibility to follow up with the appropriate person until you obtain a resolution.



### Grading Scale

Grades are rounded up to the nearest tenth of a point.

Grade Percentage Breakdown	
Mid-term Exam	15%
Final Exam	15%
Assignments	40%
Term Project	20%
Discussions	10%
<b>Total</b>	<b>100%</b>

Final Grade Assignment		
A	100	– 94.00
A-	93.99	– 91.00
B+	90.99	– 88.00
B	87.99	– 84.00
B-	83.99	– 80.00
C+	79.99	– 76.00
C	75.99	– 74.00
C-	73.99	– 70.00
D+	69.99	– 68.00
D	67.99	– 64.00
D-	63.99	– 60.00
F	59.99	– 0.00

### Course Evaluation Method

**1. Assignments:** There will be assignments **every week**. The main purpose of these assignments is to expose students to at least some parts of currently available technologies used in digital forensics. Students will be required to conduct a HW/SW configuration & testing, role playing, and/or short research (mostly on the Internet).

**2. Exams. Two** (2) non-accumulative exams will be administered throughout the semester (see Course Schedule). They are comprehensive, covering all the assigned reading and lecture notes. Note that material presented in class will supplement the assigned reading.

**3. Term project.** There is a **term project**. Students will conduct a forensic investigation with the given digital evidence. And students will submit the final forensic report and present their findings at the end of semester. Guidelines for the term project will be posted as a separate file.

\*Students are responsible for checking the grading rubric.

**4. Discussions.** Students are encouraged to post regularly on the discussion board forums. Frequent and meaningful posts will lead to a 100% participation grade.

## Additional Course Policies

### Missing Exams

There are no make-up exams for this course. However, if you are unable to take an exam due to an emergency, you must inform the instructor of that fact ***on or before*** the day of the exam and arrange for a make-up to be administered before the graded exam is returned to the class. Any student requiring a make-up has to document his/her excuse (e.g., a letter from a physician written on the physician's letterhead). Please note that ***in no event will a make-up test be given after the graded exam is reported to the class.***

### Late Assignments

1. All assignments due by 11:59 PM on the due date indicated in the course schedule. For each day that the assignment is late, there will be point deductions from the assignment's score. No extra assignments are permitted for additional credit in this course unless assigned by the instructor to the entire class.
2. Assignment Submission: All lab assignments are to be submitted through the Canvas system when the Canvas system does not work, it can be submitted through email. For the email submission, only FAU email account is valid for the assignment submission. Email submission through other email providers such as gmail, yahoo and etc will not be checked.
3. Format of Email Submission: The following format must be used when submitting assignments. In the "Subject" line of your email must indicate the followings: ISMXXXX YourName NameOfDeliverable Example: *ISMXXXX – John\_Doe -- Project Proposal.*

### Attendance Policy

Although regular roll calls will not be administered, attendance will be taken randomly and unannounced in class. The attendance record can affect your grade as follows:

- Those who are recorded absent two (2) times will get **-3 pts** from the total grade.
- Those who are recorded absent three (3) times will get **-6pts** from the total grade.
- Those who are recorded absent four (4) times will get **-9pts** from the total grade.
- Those who are recorded absent more than four (4) times should have a meeting with the instructor.

\* 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



**Final Letter Grading**

Final letter grade will be posted before XXX XX<sup>th</sup>, students are responsible for checking their final letter grade.

**Incomplete Grade Policy**

The University policy states that a student who is passing a course but has not completed all work due to exceptional circumstances, may, with consent of the instructor, temporarily receive a grade of incomplete ("I"). The assignment of the "I" grade is at the discretion of the instructor but is allowed only if the student is passing the course.





### Course Outline

Module	Date	Topics	Reading	Assignment
1		Understanding the Digital Forensics Profession and Investigations	CH1	Assignment1
2		Forensic Lab and Data Acquisition	CH2,3	Assignment2
3		Processing Incident Scenes	CH4	Assignment3
4		Working with Windows Systems	CH5	Assignment4
5		Current Digital Forensic Tools	CH6	Assignment5
6		Linux and Mac File Systems	CH7	Assignment6
7		<b>Exam</b>		
8		Data Recovery	CH8	Assignment7
9		Digital Forensic Analysis	CH9	Assignment8
10		Virtual Machine Forensics	CH10	Assignment9
11		Mobile Forensics	CH12	Assignment10
12		Network Forensics	CH13	Assignment11
13		Report Writing and Expert Testimony	CH14, 15	Assignment12
14		<b>Thanksgiving Day (University closed)</b>		
15		Term Project Presentation		
16		<b>Exam</b>		

\*This course outline is subject to change, depending on class pace and needs.

\*\*Instructor reserves the rights to make any changes needed.

\*\*\*Students are responsible for being familiar with any revisions.



## COURSE POLICIES

### CODE OF ACADEMIC INTEGRITY POLICY STATEMENT

Students at Florida Atlantic University should endeavor to maintain the highest ethical standards. Academic dishonesty is 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 to 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](#).

### PLAGIARISM

[Plagiarism](#) is unacceptable in the University community. Academic work must be an original work of your own thought, research, or self-expression. When students borrow ideas, wording, or organization from another source, they must acknowledge that fact in an appropriate manner. Plagiarism is the deliberate use and appropriation of another's work without identifying the source and trying to pass off such work as one's own. Any student who fails to give full credit for ideas or materials taken from another has plagiarized. This includes all discussion board posts, journal entries, wikis, and other written and oral presentation assignments. If in doubt, cite your source.

### ONLINE ATTENDANCE POLICY

Since the course is online, you should access the course **at least three times per week** to ensure you do not miss pertinent postings, messages, or announcements. It is imperative that you meet course deadlines and stay active in discussion boards, group projects, etc. If you are experiencing major illness, absences due to University duties, or other large-scale issues, contact the instructor immediately to formulate a resolution.

### NETIQUETTE

Due to the casual communication common in the online environment, students are sometimes tempted to relax their grammar, spelling, and/or professionalism. Please remember that you are adult students and professionals—your communication should be appropriate. For more in-depth information, please see the [FAU Statement on Netiquette](#).



## **CLASSROOM ETIQUETTE/DISRUPTIVE BEHAVIOR POLICY STATEMENT**

Disruptive behavior is defined in the FAU Student Code of Conduct as “... activities which interfere with the educational mission within classroom.” Students who disrupt the educational experiences of other students and/or the instructor’s course objectives in a face-to-face or online course are subject to disciplinary action. Such behavior impedes students’ ability to learn or an instructor’s ability to teach. Disruptive behavior may include but is not limited to non-approved use of electronic devices (including cellular telephones); cursing or shouting at others in such a way as to be disruptive; or, other violations of an instructor’s expectations for classroom conduct.

For more information, please see the [FAU Office of Student Conduct](#).

## **COMMUNICATION POLICY**

### **EXPECTATIONS FOR STUDENTS**

#### **Announcements**

You are responsible for reading all announcements posted by the instructor. Check the course announcements each time you log in.

#### **Email/Video Conferencing**

You are responsible for reading all your course email and responding in a timely manner.

#### **Course-Related Questions**

Post course-related questions to the FAQ Discussion board. This allows other participants with the same question to benefit from the responses. Also, make sure you review this forum prior to posting a question. Someone may have already asked and answered the question in previous posts.

### **INSTRUCTOR’S PLAN FOR CLASSROOM RESPONSE TIME & FEEDBACK**

#### **Email/Video Conferencing Policy**

Except for weekends and holidays, the instructor will typically respond to email (Canvas inbox or FAU email) within 48 hours. You should ask course-related questions in the FAQ Discussion board. If you have questions of a personal nature, you should email the instructor.



### **Assignment Feedback Policy**

The instructor will provide feedback on submitted assignments within one week of the submission date. Some assignments may require a longer review period, which the instructor will communicate to you.

### **Course-Related Questions Policy**

Except weekends and holidays, the instructor will generally answer questions within 48 hours.

### **Electronic Communication Policy**

In addition to the University's policy, please consider the following:

- Privacy, confidentiality, and security in all electronic communications.
- All electronic communication resources must be used for the course and in alignment with to the University mission.
- Prohibited use of false identity, false identity pseudonyms, or anonymous (sender's name or electronic identification is hidden).
- Access without consent.
- Disruption of services including introducing computer contaminants (viruses).
- Harassment of any kind.

Please see the Office of Information Technology's policies on [Cyber Security Awareness](#).

## **SUPPORT SERVICES & ONLINE RESOURCES**

- [Center for eLearning and Student Success](#)
- [Counseling and Psychological Services](#)
- [FAU Libraries](#)
- [Math Learning Center](#)
- [Office of Information Technology Helpdesk](#)
- [Office of International Programs and Study Abroad](#)
- [Office of Undergraduate Research and Inquiry](#)
- [Student Accessibility Services](#)
- [University Center for Excellence in Writing](#)



### **Selected University and College Policies**

#### Code of Academic Integrity Policy Statement

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, please see FAU Regulation 4.001 at: [FAU Regulation 4.001](#).

#### Disability Policy Statement

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 <http://fau.edu/sas/>

#### 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/>

#### Policy on the Recording of Lectures

Because of a new Florida Statute in 2021, the following model language is suggested for inclusion in course syllabi, at the discretion of individual faculty:

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.

#### Religious Accommodation Policy Statement

In accordance with rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices, observances, and beliefs with regard to admissions, registration, class attendance and the scheduling of examinations and work assignments.

For further information, please see FAU Regulation 2.007 at: [FAU Regulation 2.007](#).

#### University Approved Absence Policy Statement

In accordance with rules of the Florida Atlantic University, students have the right to reasonable accommodations to participate in University approved activities, including athletic or scholastics teams, musical and theatrical performances and debate activities. It is the student's responsibility to notify the course instructor at least one week prior to missing any course assignment.

#### Incomplete Grade Policy Statement

A student who is passing a course, but has not completed all work due to exceptional circumstances, may, with consent of the instructor, temporarily receive a grade of incomplete ("I"). The assignment of the "I" grade is at the discretion of the instructor, but is allowed only if the student is passing the course.

The specific time required to make up an incomplete grade is at the discretion of the instructor. However, the College of Business policy on the resolution of incomplete grades requires that all work required to satisfy an incomplete ("I") grade must be completed within a period of time not exceeding one calendar year from the assignment of the incomplete grade. After one calendar year, the incomplete grade automatically becomes a failing ("F") grade.

#### Withdrawals

Any student who decides to drop is responsible for completing the proper process required to withdraw from the course.

#### Disruptive Behavior Policy Statement

Disruptive behavior is defined in the FAU Student Code of Conduct as "... activities which interfere with the educational mission within classroom." Students who behave in the classroom such that the educational experiences of other students and/or the instructor's course objectives are disrupted are subject to disciplinary action. Such behavior impedes students' ability to learn or an instructor's ability to teach. Disruptive behavior may include, but is not limited to: non-approved use of electronic devices (including cellular telephones); cursing or shouting at others



in such a way as to be disruptive; or, other violations of an instructor's expectations for classroom conduct.

#### Faculty Rights and Responsibilities

Florida Atlantic University respects the right of instructors to teach and students to learn. Maintenance of these rights requires classroom conditions which do not impede their exercise. To ensure these rights, faculty members have the prerogative:

- To establish and implement academic standards
- To establish and enforce reasonable behavior standards in each class
- To refer disciplinary action to those students whose behavior may be judged to be disruptive under the Student Code of Conduct.

## Information Technology and Management

### Information Technology and Management

Master of Science (M.S.)

Advanced Information Technology Concentration

Information Technology Management Concentration

Computer Science Data Analytics Concentration

Business Analytics Concentration

### Cybersecurity

The Master of Science with Major in Information Technology and Management (MSITM) is jointly offered by the Department of Electrical Engineering and Computer Science (EECS) in the College of Engineering and Computer Science and the Department of Information Technology and Operations Management (ITOM) in the College of Business. Designed for highly motivated individuals with computing and/or managerial backgrounds, the program aims to prepare students for a management career in the area of information technology in organizations. To allow for maximum flexibility in career aspirations, students can select from four concentrations: Advanced Information Technology, emphasizing the technical aspect of organizational IT systems; Information Technology Management, focusing on the management issues of IT in organizations; Computer Science Data Analytics; ~~and~~ Business Analytics, and Cybersecurity. The program is offered in person with the Business Analytics and Information Technology Management concentrations offered in person and fully online.

### Admission Requirements

To be admitted to the MSITM program applicants must have:

1. An undergraduate degree in Computer Science, Information Engineering Technology or an IT-related field of study. Applicants with another undergraduate degree and documented work experience of two or more years in an IT function will be evaluated as well;
2. An undergraduate GPA of 3.0 or higher;
3. GRE or GMAT scores more than five years old are normally not acceptable. The GRE and the GMAT requirement is waived for any student who has a baccalaureate degree from either FAU's Department of Electrical Engineering and Computer Science (EECS) or FAU's Department of Information Technology and Operations Management (ITOM) with a GPA of at least 3.25 (out of a possible 4.0) in the last 60 credits attempted prior to graduation;
4. International students from non-English-speaking countries must be proficient in written and spoken English as evidenced by a score of at least 500 (paper-based test) or 213 (computer-based test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL) or a score of at least 6.0 on the International English Language Testing System (IELTS); and
5. Meet other requirements of the FAU Graduate College.



## Degree Requirements

Students in all concentrations are required to complete 30 graduate-level credits, or 10, 3-credit courses (5000 level or higher), with a 3.0 GPA or better to graduate.

~~Students in the Advanced Information Technology and Computer Science Data Analytics concentrations are required to complete 30 graduate-level credits, or 10, 3-credit courses (5000 level or higher), with a 3.0 GPA or better to graduate. Students in the Information Technology Management and Business Analytics concentrations are required to complete 30 graduate-level credits, or 10, 3-credit courses (5000 level or higher), with a 3.0 GPA or better to graduate.~~

Students in the Advanced Information Technology, ~~and~~ Computer Science Data Analytics, and Cybersecurity concentrations will be awarded the degree by the College of Engineering and Computer Science, while those in the Information Technology Management and Business Analytics concentrations will have their degrees awarded by the College of Business. For more information about the Master of Science in Information Technology and Management degree program, call the Department of Electrical Engineering and Computer Science at 561-297-3482, or email [ceecs@fau.edu](mailto:ceecs@fau.edu).

**Cybersecurity Concentration (30 credits)**

<b>Students are required to take the following three courses:</b>	
Software Engineering	CEN 5035
Theory and Implementation of the Database Systems	COP 6731
Management of Information Systems and Technology	ISM 6026
<b>Students must take three cybersecurity courses from the list below. Course substitution is allowed with prior approval of the advisor.</b>	
Cryptographic Engineering	CDA 5326
Practical Aspects of Modern Cryptography	CIS 5371
Computer Data Security	CIS 6370
Distributed Systems Security	CIS 6375
Secret Sharing Protocols	COT 6427
Cyber Security: Measurement and Data Analysis	CTS 6319
Cryptocurrencies and Blockchain Technologies	CIS 6730
<b>Students must take two EECS electives from graduate courses with prefixes CAP, CDA, CEN, CIS, COP, COT, CTS and CNT offered by the EECS department.</b>	
<b>The last two electives must be chosen from the following ITOM courses:</b>	
Management of Information Assurance and Security	ISM 6328
Digital Forensics Management	ISM 6327
Business Innovation with Artificial Intelligence	ISM 6427C
Blockchain and Crypto Assets: Digital Business Transformation	ISM 6455
Special Topics	ISM 6930

## Tamara Dinev

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**Subject:** FW: EECS plans to propose MSITM-Cybersecurity concentration

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**From:** Hanqi Zhuang <zhuang@fau.edu>  
**Sent:** Wednesday, April 5, 2023 7:00 AM  
**To:** Tamara Dinev <tdinev@fau.edu>  
**Subject:** Re: EECS plans to propose MSITM-Cybersecurity concentration

Yes, EECS approves the new course proposal Digital Forensics Management..

Get [Outlook for iOS](#)

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**From:** Tamara Dinev  
**Sent:** Tuesday, April 4, 2023 11:04 AM  
**To:** Hanqi Zhuang <zhuang@fau.edu>  
**Subject:** FW: EECS plans to propose MSITM-Cybersecurity concentration

Dear Dr. Zhuang:

ITOM proposes a new graduate course, Digital Forensics Management. Please attached the syllabus. This course will be part of the electives for the new MSITM Cybersecurity concentration your department proposes. I am asking for your comments and endorsement on the new proposed course.

Thank you!

Best Regards:

Tamara

=====

Tamara Dinev, Ph.D., Department Chair and Professor  
Dean's Distinguished Research Fellow  
Department of Information Technology and Operations Management, FL 219  
College of Business, Florida Atlantic University  
Boca Raton, Florida 33431  
Google Scholar: <https://scholar.google.com/citations?user=YH8QZ-YAAAAJ&hl=en>