



**FLORIDA INTERNATIONAL UNIVERSITY  
UNIVERSITY CURRICULUM COMMITTEE**  
*Proposal for a Course Change*

<b>DO NOT TYPE IN THIS BOX</b>	
Bulletin #:	_____
Academic Year:	_____

**PART I. FILL OUT THIS SECTION COMPLETELY**

- School/College Engineering and Computing  
Div./Dept. in Which Taught Electrical and Computer Engineering
- |              |           |               |                              |
|--------------|-----------|---------------|------------------------------|
| <u>EEL</u>   | <u>4</u>  | <u>802</u>    | <u>3</u>                     |
| Alpha Prefix | 1st Digit | Last 3 Digits | "C"-lec-lab "L"-Lab Cr. Hrs. |
- Present Course Title Introduction to Digital Foresnics

**PART II. FILL OUT CHANGE INFORMATION ONLY**

Change Effective 1 / 1 / 2020

- New Course Title \_\_\_\_\_
- New Abbreviated course Title (for computer class schedules, transcripts)   
LIMITED TO 25 Characters (including spaces)

- |     |                  |                 |                   |                            |  |
|-----|------------------|-----------------|-------------------|----------------------------|--|
| 5a. | <u>        </u>  | <u>        </u> | <u>        </u>   | <u>        </u>            | 5b. Change Credit Hours: From <u>        </u> To <u>        </u> |
|     | New Alpha Prefix | New 1st Digit   | New Last 3 Digits | Change "C"-lec-lab "L"-Lab |  |

- New Catalog Description/Major Topics (not to exceed 200 characters including spaces)  
*College of Medicine and College of Law: Attach description not exceeding 1,000 characters including spaces.*



- New Prerequisite(s): EEL 2880 or equivalent or instructor permission or CNT 4403
- New Corequisite(s): \_\_\_\_\_

- Explain Reclassification Request:  

The prerequisite change would expand the students population that will be available to take the course to include students from various academic units.

10. Does this proposed change impact the assessment process of a program or certificate? **If yes, then send notification to [assessment@fiu.edu](mailto:assessment@fiu.edu).**

**PROPOSAL REQUESTED BY:**

Faculty Contact	<u>Dr. Alexander Perez-Pons</u>		<u>10</u> / <u>15</u> / 20 <u>19</u>
	(Type name)	(Signature)	
	<u>aperezpo@fiu.edu</u>	<u>305-348-7253</u>	
	(Email address)	(Phone number)	
Chairperson (Dept./Div.)	<u>Dr. Shekhar Bhansali</u>		<u>        </u> / <u>        </u> / 20 <u>        </u>
	(Type name)	(Signature)	
Chairperson (Curr. Comm.)	<u>Dr. Wei-Chiang Lin</u>		<u>        </u> / <u>        </u> / 20 <u>        </u>
	(Type name)	(Signature)	
College/School Dean	<u>Dr. John Volakis</u>		<u>        </u> / <u>        </u> / 20 <u>        </u>
	(Type name)	(Signature)	

Submit one original form. Attach one copy of the Course Justification and Course Syllabus. Course Description, Objectives, Learning Outcomes, Major Topics and textbooks.

Department of Electrical and Computer Engineering  
**EEL 4802 Introduction to Digital Forensics**

**Catalog Data:** This course will give a fundamental foundation for students new to the digital forensics field, discussing, what digital forensics is, the methodologies used, key technical concepts, and the tools needed to perform examinations and media exploitation techniques.

**Prerequisites:** **EEL 2880 or equivalent or instructor permission or CNT 4403**

**Corequisites:** **None**

**Textbooks**  
(1) Sammons, J. (2015). The Basics of Digital Forensics 2nd Edition. Waltham, MA: Syngress Publishing Inc. ISBN: 978-0-12-801635-0  
(2) Supplemental course materials (e.g., handouts, reading assignments, lab exercises, etc.) will be posted to the FIU Online Canvas course shell.

**Type:** Elective for All BS students

**Course Objectives:** This course provides students the theoretical and practical concepts to comprehend the details associated what entails Digital Forensics, the requirements in establishing a digital forensics lab and exposures to various tools and techniques to perform data acquisition from different storage mediums and analyze these sources for digital evidence. It will provide students with hands-on exposure to the latest tools and techniques to prepare an investigative plan, understand the common artifacts (from the Windows, Mac, and Linux operating systems) to look for during forensic investigation, and provide exposure to well-known and novel forensic methods using command-line and graphical open-source computer forensics tools for examining a wide range of target systems and artifacts.

**Course Learning Outcomes:**

At the end of this course, the students will be able to:

- Provide core knowledge necessary for students to have a basic understanding of forensic science, Digital Forensics and the value of digital evidence in solving crimes
- Students will be able to evaluate digital devices for evidence important in solving criminal & civil cases
- Students will gain an understanding of laws governing search and seizure of digital evidence and laws that govern access to stored data will be analyzed. Factors that allow and impact the admissibility of evidence will be explored and debated
- Students will gain an understanding of file format and storage in various operating systems (Linux and Windows)
- Students are exposed to various forensic tools that are used in digital chain of custody

More information can be found at [http://academic.fiu.edu/academic\\_misconduct.html](http://academic.fiu.edu/academic_misconduct.html)

### **Department Regulations Concerning Incomplete Grades**

*To qualify for an Incomplete, a student:*

1. Must contact (e.g., phone, email, etc.) the instructor or secretary before or during missed portion of class
2. Must be passing the course prior to that part of the course that is not completed
3. Must make up the incomplete work through the instructor of the course
4. Must see the Instructor. All missed work must be finished before last two weeks of the following term.

**University policies:** on sexual harassment, and religious holidays, and information on services for students with disabilities

<http://academic.fiu.edu/>

<http://drc.fiu.edu>

### **Policies:**

- **Academic Misconduct:** For work submitted, it is expected that each student will submit their own original work. Any evidence of duplication, cheating or plagiarism will result at least a failing grade for the course.
- **Unexcused Absences:** Two unexcused absences are permitted during the term. More than two will result in the loss of points from your final grade. (**1 point** per absence above two, **3 points** per absence above 5).
- **Excused Absences:** Only emergency medical situations or extenuating circumstances are excused with proper documentation. After reviewing documentation you are **required to email** a description of the excuse and absence dates as a written record to [aponsr@fiu.edu](mailto:aponsr@fiu.edu).
- **On Time:** As in the workplace, on time arrival and preparation are required. Two "lates" are equivalent to one absence. (Leaving class early is counted as tardy.)
- **Deadlines:** Assignments are due at the beginning of the class period on the date specified. Assignments submitted late (within 1 week) will receive **half credit**.
- **DO NOT** send assignments by email.
- Instructor reserves right to change course materials or dates as necessary.

The prerequisite of the course have been re-evaluated and modified accordingly to reflect the background expectation required for student success. The prerequisite modification will provide a greater opportunity for students to enroll in the courses, since adequate background information is now covered in the course.