FLORIDA ATLANTIC UNIVERSITY

NEW COURSE PROPOSAL
Graduate Programs

Department Electrical Engineering and Computer Scence

College Engineering and Computer Science

*(To obtain a course number, contact **erudolph@fau.edu**)*

UGPC Approval _____
UFS Approval _____
SCNS Submittal _____
Confirmed _____
Banner _____
Catalog _____

Prefix CIS **Number** 5624	*(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)* **Lab Code**	**Type of Course** Lecture	**Course Title** Foundations of Cloud Computing for Non-majors

Credits *(See Definition of a Credit Hour)*
3

Effective Date *(TERM & YEAR)*
Spring 2026

Grading *(Select One Option)*
Regular ◯
Sat/UnSat ◯

Course Description *(Syllabus must be attached; see Template and Guidelines)*
This course provides a practical, low-code introduction to cloud computing, empowering students from all academic backgrounds to create and use cloud-based solutions. The course focuses on building apps, managing data, and automating workflows using low-code tools for real-world applications. Students may not enroll in CIS 5624 if they have already taken CIS 4641.

Prerequisites
Graduate standing.

Prerequisites, Corequisites and Registration Controls are enforced for all sections of course.

Academic Service Learning (ASL) course ☐
Academic Service Learning statement must be indicated in syllabus and approval attached to this form.

Corequisites

Registration Controls *(For example, Major, College, Level)*
Graduate standing with major outside of EECS Department

Minimum qualifications needed to teach course:
Member of the FAU graduate faculty and has a terminal degree in the subject area (or a closely related field).

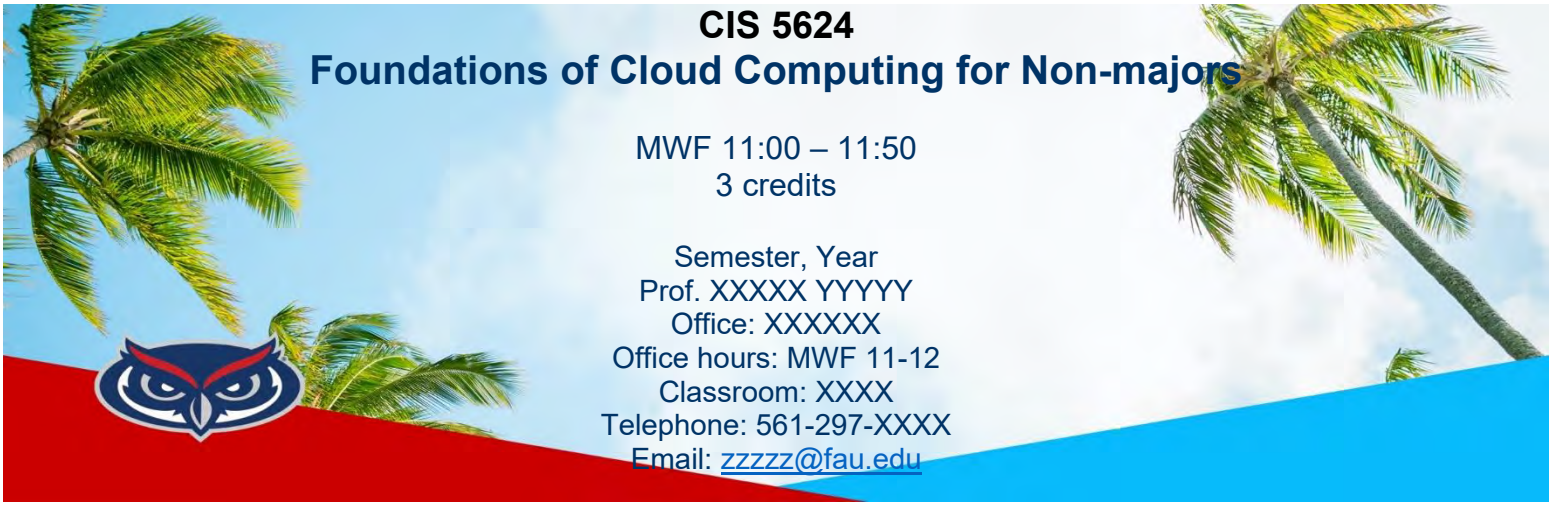
List textbook information in syllabus or here

Faculty Contact/Email/Phone
Michael DeGiorgio / mdegiorg@fau.edu / 561-297

List/Attach comments from departments affected by new course
Attached.

Approved by	***Date***
Department Chair Hai Kalva	8/26/2025
College Curriculum Chair	8/26/2025
College Dean Raquel Assis	8/26/25
UGPC Chair	09/06/2025
UGC Chair	09/06/2025
Graduate College Dean	09/07/2025
UFS President	
Provost	

Email this form and syllabus to UGPC@fau.edu 10 days before the UGPC meeting.



CIS 5624
Foundations of Cloud Computing for Non-majors

MWF 11:00 – 11:50
3 credits

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

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

Course Description

This course provides a practical, low-code introduction to cloud computing, empowering students from all academic backgrounds to create and use cloud-based solutions. The course focuses on building apps, managing data, and automating workflows using low-code tools for real-world applications. Students may not enroll in CIS 5624 if they have already taken CIS 4641.

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

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

- Describe cloud computing concepts and service models in simple terms.
- Use low-code/no-code platforms to create apps and services hosted in the cloud.
- Manage cloud-based data using low-code/no-code tools for organization and collaboration.
- Automate workflows to improve productivity and reduce manual tasks.
- Evaluate the benefits, costs, and security considerations of low-code/no-code cloud solutions.

Course Evaluation Method

Participation and activities	15%
Low-code/No-code labs (weekly assignments)	35%
Midterm low-code/no-code cloud project	20%
Final low-code/no-code solution presentation	30%
Total	**100%**

The course will be applying the following popular low-code/no-code tools:

- **Google AppSheet:** For creating mobile and web apps
- **Glide Apps:** For creating data-driven apps from Google Sheets
- **Google Forms and Typeform:** For form creation and data collection
- **Airtable:** Cloud-based spreadsheets with database-like functionality
- **Google Drive/OneDrive/Dropbox:** For cloud storage and collaboration
- **Zapier and IFTTT:** Automation tools for connecting different apps
- **Google Data Studio:** No-code platform for building data dashboards
- **Microsoft Power Automate:** Workflow automation for cloud services

Sample Assignments:

- Create a Task Management App:
  - Use Google AppSheet or Glide Apps to build a simple app for tracking and organizing personal or group tasks.
- Design a Cloud-Based Feedback Form:
  - Build a professional feedback form using Google Forms and automate email notifications using Zapier.
- Automate a Workflow:
  - Use IFTTT to automate a process, such as saving calendar entries or sending SMS notifications when a form is submitted.
- Final Project:
  - Propose and implement a low-code/no-code cloud solution to address a real-world scenario relevant to your major or interests (e.g., an event registration app, resource-sharing system, or automated workflow).

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/.

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

- Understanding Cloud Computing:
  - What is the cloud? Common examples (Google Drive, Dropbox, etc.)
  - Overview of cloud service models (IaaS, PaaS, SaaS) simplified
- Building Cloud-Based Apps with No-Code Tools:
  - Introduction to Google AppSheet and Glide Apps (mobile and web apps)
  - Creating apps for simple use cases (e.g., inventory tracking, event management)
- Cloud Data Storage and Sharing:
  - Using Google Drive, Microsoft OneDrive, and Dropbox
  - Organizing data for collaboration (e.g., folder structures, permissions)
- Forms and Data Collection:
  - Creating and managing online forms using Google Forms and Typeform
  - Automating data collection and notifications
- Workflow Automation and Productivity Tools:
  - Creating automated workflows with Zapier and IFTTT (e.g., email reminders, document updates)
  - Using Microsoft Power Automate for task approvals and data routing
- Data Visualization and Dashboards:
  - Creating dashboards with Google Data Studio (no coding required)
  - Embedding reports into documents and presentations for cloud-based collaboration
- Cloud-Based Collaboration Tools:
  - Google Workspace (Docs, Sheets, Slides) for real-time collaboration
  - Microsoft 365 Teams and SharePoint overview for academic and professional use
- Cost and Security Considerations:
  - Understanding free-tier options and subscription plans
  - Setting up basic security features (two-factor authentication, file sharing permissions)

This course is structured around interactive lectures, tool demonstrations, and hands-on activities.

Each class session will include time for students to explore low-code/no-code tools through guided exercises.

Outlook

Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

From Alan Kersten <akersten@fau.edu>
Date Tue 8/26/2025 4:23 PM
To Hari Kalva <hkalva@fau.edu>

Hi Hari,
The only potential overlap with Psychology courses from this list is the Foundations of AI for Non-majors course. We have offered special topics courses in AI and Psychology and Social AI at the undergraduate and graduate levels, respectively, and will likely submit new course proposals for one or both courses in the coming year. Given that the proposed course appears to be a general treatment of AI, however, whereas any Psychology courses will be more specifically focused on the relationship between artificial intelligence and human intelligence, I don't see a problem with both types of courses co-existing in the FAU curriculum. The other courses (i.e., data engineering, foundations of programming, foundations of cloud computing, and cybersecurity) do not overlap with Psychology offerings and thus the Psychology Department has no concerns about these other course proposals.
Sincerely,
Alan

Alan Kersten
Professor and Chair
Department of Psychology
Florida Atlantic University
Boca Raton, FL 33431

From: Hari Kalva <hkalva@fau.edu>
Sent: Monday, August 25, 2025 11:54 PM
To: Alan Kersten <akersten@fau.edu>
Subject: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Hi Alan:
Attached please find the syllabi and new course forms for five proposed 5000-level courses the EECS Department is developing to support computing, AI, and data science for non-EECS majors across FAU.

At the suggestion of UGPC, I am reaching out to seek your comments on these course proposals. A brief response would be greatly appreciated to keep the UGPC process moving. Since UGPC has asked for agenda items by August 26, I apologize for the short notice and would appreciate anything you can provide on this timeline. I would also be happy to join a call to answer any questions.

The courses are:

1. CAI 5006: Foundations of AI for Non-majors
2. CAP 5796: Foundations of Data Engineering for Non-majors
3. CIS 5624: Foundations of Cloud Computing for Non-majors
4. CIS 5775: Foundations of Cybersecurity for Non-majors
5. COP 5048: Foundations of Programming for Non-majors

I appreciate your time and collegial support, and I look forward to collaborating with you on future interdisciplinary research and educational initiatives.

Best,
Hari

--
Hari Kalva, Ph.D., FNAI
Chair and Professor
Dept. of Electrical Engineering and Computer Science (eecs.fau.edu)
Director, Multimedia Systems Lab, (mlab.fau.edu)

Florida Atlantic University
Boca Raton, FL 33431

Outlook

Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

From Hari Kalva <hkalva@fau.edu>
Date Tue 9/2/2025 12:29 PM
To Sarah Milton <smilton@fau.edu>

Hi Sarah, your suggested option 2 would work and we will ask our instructors not to use problems in biology.

to be clear, we don't mention biology anywhere int he course description or the syllabus. Your students can also be advised to take only your course.

Thank you for your support.
Let me know I you need additional clarifications.
-hari
--
Hari Kalva, Ph.D.
eecs.fau.edu

From: Sarah Milton <smilton@fau.edu>
Sent: Tuesday, September 2, 2025 11:33 AM
To: Hari Kalva <hkalva@fau.edu>
Subject: Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Good morning Hari - Biology fully supports 4 of the five proposed courses.

However, your proposed course CAP 5796 overlaps at least 40% with our IDS course AI Applications in Biology, which if you remember was originally developed between our departments to be offered as a joint course that engineers and biologists could both take (and was intended to be team taught until your guy left for the private sector). We offer it to both UG and grad students as 4000 level and 6000 level sections.
And it's been a success in terms of enrolment, so your students could take our course instead.

Other suggestions are:
1 - change weeks 6-10 so it doesn't overlap. I am sending attached the AI Applications in Biology outline to facilitate the comparison.
2 - or perhaps make it clear that applications in biology are not addressed. You could for example propose problems and projects in areas we don't work with (business, finance, etc.)

Thanks,
Sarah

Dr. Sarah L. Milton
Professor and Chair
Department of Biological Sciences
FAU

From: Hari Kalva <hkalva@fau.edu>
Sent: Tuesday, September 2, 2025 11:27 AM
To: Sarah Milton <smilton@fau.edu>
Subject: Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Hi Sarah, was there any further clarification needed? We would like to provide an update if anything comes up at the UGPC meeting this afternoon.

--
Hari Kalva, Ph.D.
eecs.fau.edu

From: Hari Kalva <hkalva@fau.edu>
Sent: Tuesday, August 26, 2025 2:55 PM
To: Sarah Milton <smilton@fau.edu>
Subject: Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Hi Sarah, we mean "hands on activities" that cover the full data engineering workflow including exploration, modeling, visualization, and communication.

Best,
Hari
--
Hari Kalva, Ph.D.
eecs.fau.edu

From: Sarah Milton <smilton@fau.edu>
Sent: Tuesday, August 26, 2025 1:33 PM
To: Hari Kalva <hkalva@fau.edu>
Subject: Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Good afternoon Hari - my faculty who teach courses in the field have no problem with the majority of courses, but would like clarification for CAP 5796. There's a lot of overlap in weeks 6-10 (approximately 40% of the course overlaps with our AI Applications in Biology - which is an Interdisciplinary course originally planned with having engineers take it). Having said that, CAP 5796 says "hands on calculations". If this actually means "Pen and paper" calculations, then it's fine because we don't do

that. Ours is more applied with computer coding problems. So we are asking you to clarify this point with the instructor - I doubt they actually do pen and paper either.

Thanks,
Sarah

Dr. Sarah L. Milton
Professor and Chair
Department of Biological Sciences
FAU

From: Hari Kalva <hkalva@fau.edu>
Sent: Monday, August 25, 2025 11:53 PM
To: Sarah Milton <smilton@fau.edu>
Subject: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Hi Sarah:
Attached please find the syllabi and new course forms for five proposed 5000-level courses the EECS Department is developing to support computing, AI, and data science for non-EECS majors across FAU.

At the suggestion of UGPC, I am reaching out to seek your comments on these course proposals. A brief response would be greatly appreciated to keep the UGPC process moving. Since UGPC has asked for agenda items by August 26, I apologize for the short notice and would appreciate anything you can provide on this timeline. I would also be happy to join a call to answer any questions.

The courses are:

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2. CAP 5796: Foundations of Data Engineering for Non-majors
3. CIS 5624: Foundations of Cloud Computing for Non-majors
4. CIS 5775: Foundations of Cybersecurity for Non-majors
5. COP 5048: Foundations of Programming for Non-majors

I appreciate your time and collegial support, and I look forward to collaborating with you on future interdisciplinary research and educational initiatives.

Best,
Hari

--
Hari Kalva, Ph.D., FNAI
Chair and Professor
Dept. of Electrical Engineering and Computer Science (eecs.fau.edu)
Director, Multimedia Systems Lab, (mlab.fau.edu)

Florida Atlantic University
Boca Raton, FL 33431

Outlook

RE: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

From Ryan Meldrum <meldrumr@fau.edu>
Date Tue 8/26/2025 8:09 AM
To Hari Kalva <hkalva@fau.edu>

HI Hari,

I had the opportunities to browse the syllabi and examine our own CCJ course offerings at the graduate level. I have no objections to these courses, and some of our students likely could be interested in taking the AI and cybersecurity courses as electives once they become available.

Cheers,

Ryan

Ryan Charles Meldrum, PhD
Director and Professor
School of Criminology and Criminal Justice
College of Social Work & Criminal Justice
Florida Atlantic University
fau.edu/sw-cj
(561) 297-2461
Social Science Building, Room 208E

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"To give anything less than your best is to sacrifice the gift." - Steve Prefontaine

From: Hari Kalva <hkalva@fau.edu>
Sent: Monday, August 25, 2025 11:56 PM
To: Ryan Meldrum <meldrumr@fau.edu>
Subject: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Hi Ryan, attached please find the syllabi and new course forms for five proposed 5000-level courses the EECS Department is developing to support computing, AI, and data science for non-EECS majors across FAU.

At the suggestion of UGPC, I am reaching out to seek your comments on these course proposals. A brief response would be greatly appreciated to keep the UGPC process moving. Since UGPC has asked for agenda items by August 26, I apologize for the short notice and would appreciate anything you can provide on this timeline. I would also be happy to join a call to answer any questions.

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4. CIS 5775: Foundations of Cybersecurity for Non-majors
5. COP 5048: Foundations of Programming for Non-majors

I appreciate your time and collegial support, and I look forward to collaborating with you on future interdisciplinary research and educational initiatives.

Best,
Hari

--
Hari Kalva, Ph.D., FNAI
Chair and Professor

Dept. of Electrical Engineering and Computer Science (eecs.fau.edu)

Director, Multimedia Systems Lab, (mlab.fau.edu)

Florida Atlantic University
Boca Raton, FL 33431

Outlook

Re: Fw: Getting permission from other departments for our non-majors courses

From Tamara Dinev <tdinev@fau.edu>
Date Thu 2/6/2025 4:18 PM
To Mehrdad Nojoumian <mnojoumian@fau.edu>; Hari Kalva <hkalva@fau.edu>

Dear Mehrdad:

ITOM has always been supportive of your curriculum development.
More often than not, your department has supported us as well.

I am all for our beneficial cooperation.
I have no objections to the proposed courses.

Best Regards:
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
Web: https://business.fau.edu/faculty-research/faculty-profiles/profile/tdinev.php
Google Scholar: https://scholar.google.com/citations?user=YH8QZ-YAAAAJ&hl=en

On 2/6/25 16:00, Mehrdad Nojoumian wrote:

> Dear Tamara,
>
> I hope all is well with you. I'm reaching out to inquire if you would support our attached course proposals for non-majors. Please see the email below for details.
>
> If you have any questions, please don't hesitate to contact me.
>
> Thanks in advance,
> Mehrdad
> ---
> Mehrdad Nojoumian, Associate Professor
> Director of the Privacy, Security & Trust in Autonomy Lab
> Department of Electrical Engineering & Computer Science
> Florida Atlantic University
> 777 Glades Rd, EE 429, Boca Raton, FL 33431
> Cell: (618) 305-4348
> https://faculty.eng.fau.edu/nojoumian/
>
> ---
>
> **From:** Michael DeGiorgio <mdegiorg@fau.edu>
> **Sent:** Wednesday, February 5, 2025 2:17 PM

To: Mehrdad Nojoumian <mnojoumian@fau.edu>
Cc: Waseem Asghar <wasghar@fau.edu>; Hari Kalva <hkalva@fau.edu>
Subject: Getting permission from other departments for our non-majors courses

Hi Mehrdad,

Based on the feedback from the undergraduate and graduate program committees within the department and college, we are reaching out to seek feedback and support from other departments regarding some of our proposed non-major courses. Specifically, we are looking for input on whether these departments would support our applications to create these new courses.

The EECS Department Chair (Hari Kalva) and the COECS Associate Dean for Faculty Affairs (Hanqi Zhung) are collaborating with the VA public affairs offices of Broward and Palm Beach Counties on a proposal aimed at providing experiential learning opportunities for veterans, with a focus on training in emerging technologies.

The proposed non-major courses will be part of this program and will also be available to students pursuing an Applied Track in an AI certificate. In addition to coursework, the department plans to engage students in these courses with industry partners to help translate their learning into real-world applications.

To ensure the accessibility of these courses, we are proposing to develop low-code courses at both the undergraduate (4000-level) and graduate (5000-level) levels, which we hope to cross list when offered. These courses are designed to be accessible to veterans returning for further education in emerging fields such as Data Engineering, Artificial Intelligence, and Cybersecurity. The content will cover many foundational topics from our existing curriculum, but with an emphasis on accessibility—requiring no prerequisites and tailored to students who have not previously been exposed to coding.

Could you please reach out to the following contacts to inquire if they would support our course proposals in these areas?

Data Engineering
Proposed 4000-level course (Introduction to Data Engineering for Non-majors; CAP 4790)
Proposed 5000-level course (Foundations of Data Engineering for Non-majors; CAP 5796)

Please reach out to the following Departments for these course:
Information Technology and Operations Managements (Dr. Tamara Dinev; tdinev@fau.edu)

Artificial Intelligence
Proposed 4000-level course (Introduction to Artificial Intelligence for Non-majors; CAI 4004)
Proposed 5000-level course (Foundations of Artificial Intelligence for Non-majors; CAI 5006)

Please reach out to the following Department for these course:
Information Technology and Operations Managements (Dr. Tamara Dinev; tdinev@fau.edu)

Best,
Mike

--

Michael DeGiorgio, Ph.D.
Associate Chair and Associate Professor
Department of Electrical Engineering and Computer Science
Florida Atlantic University
Boca Raton, FL 33431 USA
mdegiorg@fau.edu
http://degiorgiogroup.fau.edu

Outlook

Re: Fw: Getting permission from other departments for our non-majors courses

From Yuan Wang <YWANG@fau.edu>
Date Wed 3/12/2025 5:25 PM
To Hari Kalva <hkalva@fau.edu>; Mehrdad Nojoumian <mnojoumian@fau.edu>
Cc Michael DeGiorgio <mdegiorg@fau.edu>; Dukhong Kim <dkim4@fau.edu>

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

On 2/12/2025 11:53 AM, Hari Kalva wrote:

> Hi Yuan, these courses are intended for students who don't have Engineering or Math background to take our regular cybersecurity courses. We don't expect these courses to have any significant overlap with MAD 5474. Let us know if there are any topics you think would overlap and what could be changed. We can also add registration controls to not allow Math majors to enroll in these classes.
>
> Happy to discuss. Looking forward to you input on shaping these courses.
>
> Best,
> Hari
>
> --
> Hari Kalva, Ph.D.
> eecs.fau.edu
>
> ---
>
> **From:** Mehrdad Nojoumian <mnojoumian@fau.edu>
> **Sent:** Tuesday, February 11, 2025 11:35 AM
> **To:** Yuan Wang <YWANG@fau.edu>
> **Cc:** Hari Kalva <hkalva@fau.edu>; Michael DeGiorgio <mdegiorg@fau.edu>
> **Subject:** Re: Fw: Getting permission from other departments for our non-majors courses
>
> Hi Yuan,
>
> I have cc-ed Hari, our chair, and Mike, our associate chair to reply.

Thanks,
Mehrdad

Mehrdad Nojoumian, Associate Professor
Director of the Privacy, Security & Trust in Autonomy Lab
Department of Electrical Engineering & Computer Science
Florida Atlantic University
777 Glades Rd, EE 429, Boca Raton, FL 33431
Cell: (618) 305-4348
https://faculty.eng.fau.edu/nojoumian/

From: Yuan Wang <YWANG@fau.edu>
Sent: Tuesday, February 11, 2025 9:44 AM
To: Mehrdad Nojoumian <mnojoumian@fau.edu>
Subject: Re: Fw: Getting permission from other departments for our non-majors courses

Good morning, Mehrdad,

Thank you for check with us. But our faculty have quite some concerns about the pair of cybersecurity courses. They believe that these are low-level zero-prerequisites courses providing 4000 and 5000 level credits and overlap with several of our courses such as MAD 5474.

Please let me know if further discussions are needed. Thank you.

Best regards,
Yuan

On 2/6/2025 4:02 PM, Mehrdad Nojoumian wrote:

> Dear Dr. Wang,
>
> I hope all is well with you. I'm reaching out to inquire if you would support our attached course proposals for non-majors. Please see the email below for details.
>
> If you have any questions, please don't hesitate to contact me.
>
> Thanks in advance,
> Mehrdad
> ---
> Mehrdad Nojoumian, Associate Professor

Director of the Privacy, Security & Trust in Autonomy Lab
Department of Electrical Engineering & Computer Science
Florida Atlantic University
777 Glades Rd, EE 429, Boca Raton, FL 33431
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https://faculty.eng.fau.edu/nojoumian/

From: Michael DeGiorgio <mdegiorg@fau.edu>
Sent: Wednesday, February 5, 2025 2:17 PM
To: Mehrdad Nojoumian <mnojoumian@fau.edu>
Cc: Waseem Asghar <wasghar@fau.edu>; Hari Kalva <hkalva@fau.edu>
Subject: Getting permission from other departments for our non-majors courses

Hi Mehrdad,

Based on the feedback from the undergraduate and graduate program committees within the department and college, we are reaching out to seek feedback and support from other departments regarding some of our proposed non-major courses. Specifically, we are looking for input on whether these departments would support our applications to create these new courses.

The EECS Department Chair (Hari Kalva) and the COECS Associate Dean for Faculty Affairs (Hanqi Zhung) are collaborating with the VA public affairs offices of Broward and Palm Beach Counties on a proposal aimed at providing experiential learning opportunities for veterans, with a focus on training in emerging technologies.

The proposed non-major courses will be part of this program and will also be available to students pursuing an Applied Track in an AI certificate. In addition to coursework, the department plans to engage students in these courses with industry partners to help translate their learning into real-world applications.

To ensure the accessibility of these courses, we are proposing to develop low-code courses at both the undergraduate (4000-level) and graduate (5000-level) levels, which we hope to cross list when offered. These courses are designed to be accessible to veterans returning for further education in emerging fields such as Data Engineering, Artificial Intelligence, and Cybersecurity. The content will cover many foundational topics from our existing curriculum, but with an emphasis on accessibility—requiring no prerequisites and tailored to students who have not previously been exposed to coding.

Could you please reach out to the following contacts to inquire if they would support our course proposals in these areas?

Cybersecurity
Proposed 4000-level course (Introduction to Cybersecurity for Non-majors; CIS 4771)
Proposed 5000-level course (Foundations of Cybersecurity for Non-majors; CIS 5775)

Please reach out to the following Department for these course:
Mathematics (Dr. Yuan Wang; ywang@fau.edu)

Best,
Mike

--

Michael DeGiorgio, Ph.D.
Associate Chair and Associate Professor
Department of Electrical Engineering and Computer Science
Florida Atlantic University
Boca Raton, FL 33431 USA
mdegiorg@fau.edu
http://degiorgiogroup.fau.edu

Outlook

RE: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

From Sabrina Sembiante <ssembiante@fau.edu>
Date Wed 8/27/2025 11:53 AM
To Hari Kalva <hkalva@fau.edu>
Cc Michelle McGovern <mvaugha3@fau.edu>

Hello Hari,

Upon review of EECS Graduate-level courses, these courses are relevant and would align well with efforts in our department to heighten the computer science knowledge of our pre- and in-service teachers across our C&I masters degree offerings. In particular, we would be willing to consider inclusion of these courses as part of a new Masters degree program (currently in development) that will look to improve educators' and school district administrators' ability to engage with AI and other computer technologies for educational purposes. The designation of "non-major" for these courses provides an access point for our students who may not have the technical background needed to take traditional computer science or data engineering courses.

Warmly,

Sabrina F. Sembiante, Ph.D.
Interim Department Co-Chair and Professor
Department of Curriculum and Instruction
777 Glades Road Boca Raton, FL 33431
Work-phone: (561) 297-6594
ssembiante@fau.edu
https://www.fau.edu/education/faculty/ssembiante/

FLORIDA ATLANTIC UNIVERSITY
College of Education

From: Hari Kalva <hkalva@fau.edu>
Sent: Tuesday, August 26, 2025 12:47 PM
To: Sabrina Sembiante <ssembiante@fau.edu>
Subject: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Dear Sabrina, attached please find the syllabi for five proposed 5000-level courses the EECS Department is developing to support computing, AI, and data science for non-EECS majors across FAU.

I am reaching out to seek your comments on these course proposals. A brief response would be greatly appreciated to keep the UGPC process moving. Since UGPC has asked for agenda items by August 26, I apologize for the short notice and would appreciate anything you can provide on this timeline. I would also be happy to join a call to answer any questions.

The courses are:

1. CAI 5006: Foundations of AI for Non-majors
2. CAP 5796: Foundations of Data Engineering for Non-majors
3. CIS 5624: Foundations of Cloud Computing for Non-majors
4. CIS 5775: Foundations of Cybersecurity for Non-majors
5. COP 5048: Foundations of Programming for Non-majors

I appreciate your time and collegial support, and I look forward to collaborating with you on future interdisciplinary research and educational initiatives.

Best,
Hari

--
Hari Kalva, Ph.D., FNAI
Chair and Professor

Dept. of Electrical Engineering and Computer Science (eecs.fau.edu)

Director, Multimedia Systems Lab, (mlab.fau.edu)

Florida Atlantic University
Boca Raton, FL 33431

Subject: Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)
Date: Tuesday, September 2, 2025 at 14:47:05 Eastern Daylight Time
From: Hari Kalva
To: David Newman
CC: Raquel Assis, Robert Stackman
Attachments: image001.jpg

Thanks, David, for your support. Copying Bob and Raquel to share your support.

Best,
Hari

--
Hari Kalva, Ph.D.
eecs.fau.edu

From: David Newman <dnewma14@health.fau.edu>
Sent: Tuesday, September 2, 2025 2:42 PM
To: Hari Kalva <hkalva@fau.edu>
Subject: RE: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Sorry, I missed the email before I left for the weekend, and then it got buried.. I looked over the proposed classes, and I do not see much of an overlap between what you are offering and what we are proposing in next month's meeting.

Thank you,
David

David Newman, PhD
Professor & Biostatistician
Christine E. Lynn College of Nursing, NU Room 116A
Florida Atlantic University
777 Glades Rd.
Boca Raton, FL 33431-2048
Office Phone: 561-297-2670
Cell Phone: 330-607-3799

From: Hari Kalva <hkalva@fau.edu>
Sent: Tuesday, September 2, 2025 2:34 PM
To: David Newman <dnewma14@health.fau.edu>
Cc: Robert Stackman <rstackma@fau.edu>; Raquel Assis <rassis@fau.edu>
Subject: Re: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Hi David, would you please let me know if you have any comments on the our proposed courses bellow?

Best,
Hari

--
Hari Kalva, Ph.D.
eecs.fau.edu

From: Hari Kalva <hkalva@fau.edu>
Sent: Monday, August 25, 2025 11:52 PM
To: David Newman <dnewma14@health.fau.edu>
Subject: Proposed EECS Graduate-Level Courses (UGPC Aug 26)

Dear David:
Attached please find the syllabi and new course forms for five proposed 5000-level courses the EECS Department is developing to support computing, AI, and data science for non-EECS majors across FAU.

At the suggestion of UGPC, I am reaching out to seek your comments on these course proposals. A brief response would be greatly appreciated to keep the UGPC process moving. Since UGPC has asked for agenda items by August 26, I apologize for the short notice and would appreciate anything you can provide on this timeline. I would also be happy to join a call to answer any questions.

The courses are:

1. CAI 5006: Foundations of AI for Non-majors
2. CAP 5796: Foundations of Data Engineering for Non-majors

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4. CIS 5775: Foundations of Cybersecurity for Non-majors
5. COP 5048: Foundations of Programming for Non-majors

I appreciate your time and collegial support, and I look forward to collaborating with you on future interdisciplinary research and educational initiatives.

Best,
Hari

--
Hari Kalva, Ph.D., FNAI
Chair and Professor

Dept. of Electrical Engineering and Computer Science (eecs.fau.edu)

Director, Multimedia Systems Lab, (mlab.fau.edu)

Florida Atlantic University
Boca Raton, FL 33431

ENG - Sept (2 of 5)

Final Audit Report 2025-09-07

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"ENG - Sept (2 of 5)" History

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