FLORIDA ATLANTIC UNIVERSITY

COURSE CHANGE REQUEST
Graduate Programs

Department Electrical Engineering and Computer Science

College Engineering and Computer Science

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

***Current* Course Prefix and Number**	***Current* Course Title**
CAP 6617	Sparse Learning

*Syllabus must be attached for **ANY** changes to current course details. See Template. Please consult and list departments that may be affected by the changes; attach documentation.*

Change title to:

Change prefix

From: **To:**

Change course number

From: **To:**

Change credits*

From: **To:**

Change grading

From: **To:**

Academic Service Learning (ASL) **

Add ☐ **Remove** ☐

* See Definition of a Credit Hour.
** Academic Service Learning statement must be indicated in syllabus and approval attached to this form.

Change description to:

Change prerequisites/minimum grades to:

CAP 5625

Change corequisites to:

Change registration controls to:

Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade.

Effective Term/Year for Changes: Summer 2025

Terminate course? Effective Term/Year for Termination:

Faculty Contact/Email/Phone Dr. Masoud Jahandar Lashaki, Graduate Program Director mjahandarlashaki@fau.e

Approved by	***Date***
Department Chair: Hai Kalva	1/15/2025
College Curriculum Chair: Francisco Presuel-Moreno	1/21/2025
College Dean: Raquel Assis	2/18/2025
UGPC Chair: Arjun Sementelli (Feb 19, 2025 15:56 EST)	02/19/2025
UGC Chair: Arjun Sementelli (Feb 19, 2025 15:56 EST)	02/19/2025
Graduate College Dean: Robert W Stackley	02/19/2025
UFS President	
Provost	

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

Sparse Learning (CAP 6617) 3 credits

Prerequisite: CAP 5625

This course introduces new concepts, theory, algorithms and applications of sparse representation and modeling, and their relationship with deep learning. Topics covered include mathematical preliminaries, L1 optimization, pursuit algorithms, sparse representation classifiers, sparse dictionary learning, sparse deep learning and applications.