Dennis D. Hedge   10/   /2024

Institutional Approval Signature   Date

Section 1. Course Title and Description

Prefix & No.	Course Title	Credits
CSC4 -5	Computer Vision and Pattern Recognition	3

Course Description

This course introduces fundamentals and applications, and recent advances in computer vision and pattern recognition. Topics covered in this course include single and two-view geometry, multi-view 3D reconstruction and registration, 2D/3D features and descriptors, object detection and tracking, and sematic scene understanding using deep convolutional neural networks (CNN). Students will have hand

specific to remote sensing instruments Computer Vision and Pattern Recognition emphasizes

affected by this course?

Minor in Computer Science, B.S. and Minor in Data Science

4.