THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Group Studies in Computer Science and Engineering

CSE 5194.01

Credit Hours:
1.00 - 10.00

Course Levels:
Undergraduate (1000-5000 level)
Graduate (5000-8000 level)

Course Components:
Lecture

Course Description:
Designed to give the student an opportunity to pursue special studies not otherwise offered.

Prerequisites and Co-requisites:
Prereq: Permission of instructor.

Course Goals / Objectives:
- Designed to give the student an opportunity to pursue special studies not otherwise offered.

Course Topics:
- Digital crimes and incidents, forensic science, digital evidence.
- Digital forensic methodology and process.
- Summary of cybercrime law, ethics, and legal process.
- Computer forensics: OS forensics.
- Computer forensics: disk and memory forensics.
- Computer forensics: malware analysis and evidence collection.
- Digital forensics: network and internet forensics.
- Digital forensics: database forensics.
- Digital forensics: mobile forensics, executable file forensics, evidence collection.
- Challenges in digital forensics: computational forensics, automation and standards, anti-forensics.
- New directions in digital forensics, emerging attack vectors.

Designation:
Elective