

FSU Curriculum File Syllabus

Date Approved _____ Course Number (when available) CEN 4541
(to be filled in at Univ. level)

Course Title Computer Security

Pre or co-requisites COP 3502 or consent of the instructor Repeat code 00

Course objectives: (Objectives should be stated broadly enough to allow for individual faculty differences and for changes in mode of delivery. However, enough detail should be given to distinguish from other courses and allow assignment of a SUS common course number. Committee approvals are required for a change in objectives).

The objective is that students understand why computers are vulnerable to malicious attacks and how to protect them against such threats.

Brief outline of topics to be covered (without dates)

- 1) Security threats and attacks such as Trojan Horses and computer viruses,
- 2) covert channels,
- 3) trusted operating systems, access control, entity authentication, security policies, models of security,
- 4) database security,
- 5) network security (an introduction),
- 6) administering security,
- 7) legal and ethics aspects (an introduction),
- 8) physical security and TEMPEST.

Evaluation criteria. CHECK ONE (Change in evaluation criteria requires the department to submit a new syllabus for the file)

- Exams only (the number and weight of each to be reflected on the student syllabus)
- Exams and other (such as lab reports or assignments, term paper or written project report, and oral presentation; the weight of each to be reflected on the student syllabus)
- No exams – only assignments (to be described clearly on the student syllabus)

For approvals – attach a syllabus to be distributed to students. It must state in writing: *an academic honor code statement* (which may refer students to the handbook) and a *statement satisfying ADA*.