Data and Applications Security (3 semester hours) The course will teach principles, technologies, tools and trends for data and applications security. Topics to be covered include: confidentiality, privacy and trust management; secure databases; secure distributed systems; secure multimedia and object systems; secure data warehouses; data mining for security applications; assured information sharing; secure knowledge management; secure collaboration; secure digital libraries; trustworthy semantic web; biometrics; digital forensics; secure e-commerce; secure sensor information management and secure social networks. Students will take one system or application and develop a secure version of that system or application for the programming project. Prerequisite: CS 5343 (3-0) Y (2016-02-05 21:17:21)