

Collin College Syllabus

Course Number: EECT 2375

Course Title: Advanced VOIP

Course Description: This course is a continuation of Voice over IP (VoIP) integrating voice, video and integrated data over an IP network. VoIP provides an advanced treatment of the fundamental concepts of this growing technology. This course will contain an in-depth analysis of VoIP in the enterprise and legacy network including application in the SOHO (Small Office Home Office) environment. The class emphasizes network security considerations relating to VoIP applications. The class will conduct case studies to support the curriculum and familiarize the student with VoIP system operations.

Course Credit Hours: 3
Lecture Hours: 2
Lab Hours: 2

Prerequisite: EECT 1371 or consent of the Program Director

Prerequisite/Concurrent Enrollment: N/A.

Corequisite: N/A.

College Repeat Policy: A student may repeat this course only once after receiving a grade, including "W".

Student Learning Outcomes: After completing this course, students will be able to: describe telephony fundamentals and concepts concerning VoIP, explain advanced Voice over IP (VoIP) applications in the enterprise and home environment, understand existing and emerging standards for VoIP and network architectures to support VoIP, describe the protocols that support VoIP calls and explain how IP works with the Public Switched Telephone Network (PSTN), understand network requirements for VoIP implementations, describe the function of gateways in VoIP networks, identify some of the challenges VoIP faces in today's networks to demonstrate a good understanding of its capabilities, identify and understand network security considerations relating to VoIP deployment and proliferation.

Attendance Policy: See the current Collin Registration Guide for the last day to withdraw.

Religious Holy Days: Please refer to the current Collin Student Handbook.

ADA Statement: It is the policy of Collin County Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) in a timely manner to arrange for appropriate accommodations.

Academic Ethics: The College District may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work material that is not one's own. Scholastic dishonesty may involve, but is not limited to, one (1) or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher's editions, and/or falsifying academic records.

Plagiarism is the use of an author's words or ideas as if they were one's own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation.

Cheating is the willful giving or receiving of information in an unauthorized manner during an examination, illicitly obtaining examination questions in advance, copying computer or Internet files, using someone else's work for assignments as if it were one's own, or any other dishonest means of attempting to fulfill the requirements of a course.

Collusion is intentionally or unintentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, failing to secure academic work; providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination or any other course assignment; removing tests or answer sheets from a test site, and allowing a classmate to copy answers.