

CPET 222C : Data Communications and internetworking

Provides the student knowledge and skills in a wide range of topics covering data communications, packet transmission, and the internet. Data communications subtopics include transmission media, serial communications, error detection and correction schemes, data security, and signal processing required for long-distance communications. Packet transmission subtopics include local area networks, hardware addressing, LAN building blocks, and wide area networks. internetworking subtopics include TCP/IP communication stack, ISO 7-layer communication stack, network addressing, internet protocol, address resolution protocol, internet control message protocol, IP routing protocols, transport control protocol, user datagram protocol, and client-server API.

Credits 4

Lab/Practicum/Clinical Hours 3

Lecture Hours 3

Prerequisite Courses

CPET 107C

CPET 125C

Co-Requisite Courses

CPET 240C

CPET 252C