

# ETRO 140B : Cisco Networking 1

**Credits:** 3

**Class Hours:** 6 lecture/lab

**Recommended:** Basic computer and internet usage skills.

**Description:** This course introduces the architecture, structure, functions, components, and models of the internet and other computer networks. The principles and structure of IPv4 and IPv6 addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

**Semester Offered:** Fall