

EEOP7340 - Optical Network Architectures and Protocols

[EEOP 7340](#) Optical Network Architectures and Protocols (3 semester credit hours) Introduction to optical networks. The ITU Optical Layer. First-generation optical networks. Second-generation optical networks. Standards, e.g., OTN, SONET/SDH, GMPLS, PCEP. Broadcast and select networks. The lightpath concept. Wavelength routing networks. Flexible grid networks. Virtual topology design. Software Defined Networking in optical networks. Advanced solutions and test beds. (3-0) R