
Data Communications

-Orientation-

2024. 9. 3

Young Deok Park (박영덕)

Lecturer



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Basic Information (1/2)

■ Schedules

Tues., 13:00~14:50

■ Evaluation: relative (상대평가)

- Mid-term exam (40%)
- Final exam (40%)
- Homework (20%)
- Attendance (0%)
 - 수업시간 이후 개별 출석 반영 없음
 - ✓ 예외: 지각 (수업 직후 말하는 경우에만 인정)
 - 부정출석 적발 시: 3회 결석으로 간주
 - 수업일수의 1/4 이상 결석 시 학점 부여 불가 (학칙)

Basic Information (2/2)

- Course materials will be shared via LMS

- References (not mandatory)
 - Data Communications and Networking (5E)
 - Behrouz A. Forouzan, McGraw Hill

 - Computer networking: A top-down approach (7E)
 - James F. Kurose and Keith W. Ross, PEARSON

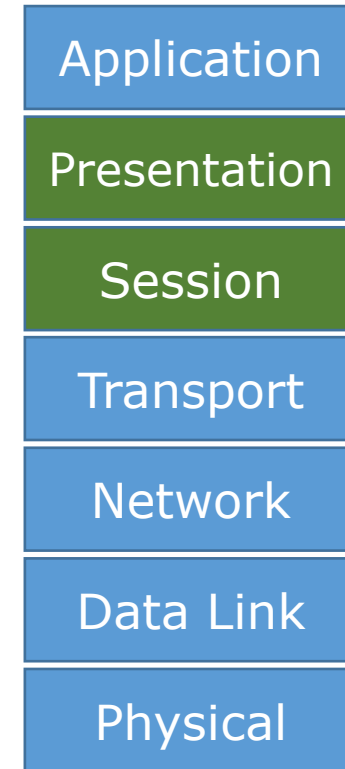
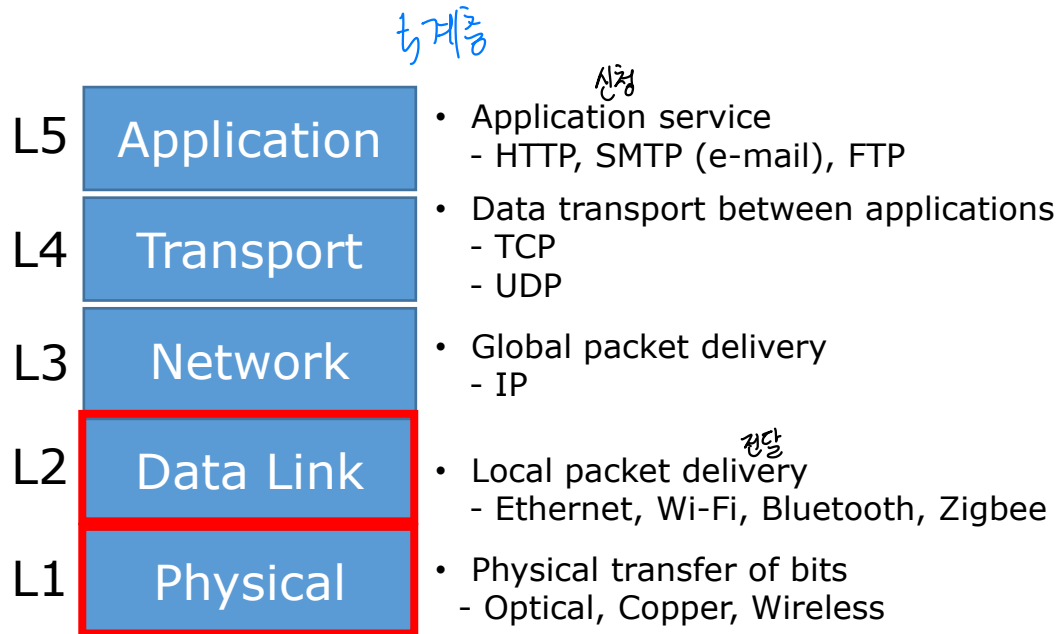
 - Mobile Communications (2E)
 - Jochen Schiller, ADDISION WESLEY

What is Data Communications?

- The exchange of data between two devices via some form of transmission medium such as a wire cable (or wireless medium)
매체 무선 매체
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- We will focus on the fundamental operations & principles of data communications
운영 원리
 - Physical layer
 - Data link layer



TCP/IP Protocol Model



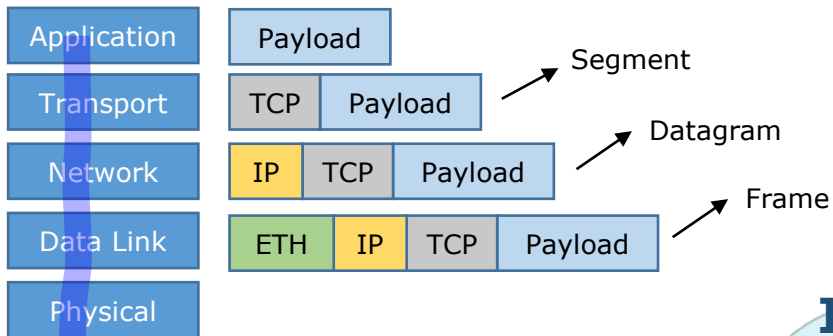
※ OSI 7-layer [reference](#) model

- This course covers L1 and L2

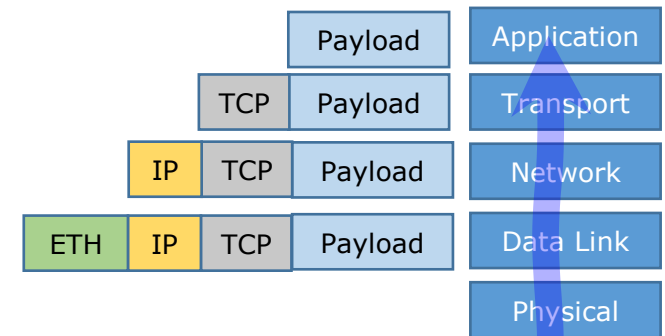
- Other layers will be covered in 'Computer networks' course

Typical Communication Path

Sender



Receiver



Internet

