Chap 11 Notes

11.1.2 Routers v.s. Bridges

11.2.1 Assign an IP address
Static: fixed IP
Dynamic: RARP
BOOTP
DHCP
PPP (Semester 4)

11.2.4 ARP also 11.3.3

11.3.1 Default Gateway

11.4.3 Routable Protocols
Address format of the Packet
To carry datagram
IP, IPX, AppleTalk, DecNET
Non-routable: NetBEUI

11.5.1 Routing Protocols:
Ways of delivering (UPS, FEDEX, etc.)
RIP, RIPv2, IGRP, EIGRP,
OSPF, IS-IS, BGP

11.5.2 RIP also 11.8.3, 11.8.9

11.6.1 Connectionless
IP, rely on 4\textsuperscript{th} layer to become connection-oriented
11.6.2 Connection-oriented
11.6.3 TCP/UDP

11.7.1 Indirect routing: get to another router

11.8.2 Interior v.s. Exterior autonomous system

11.8.4 IGRP and EIGRP
   Bandwidth
   Load
   Delay
   Reliability
   Hop Counts
   Cost
11.8.7 Static Routing
11.8.8 Dynamic Routing

Quiz