

MARCH '18

M	T	W	T	F	S	S	
			1	2	3	4	M
5	6	7	8	9	10	11	A
12	13	14	15	16	17	18	R
19	20	21	22	23	24	25	
26	27	28	29	30	31		'18

09

FRIDAY

WK 10 DAY 068-297

WORKS TO DO

Module 1 (Ch-2) Schiller

Signal Propagation (ranges) → 56

Path loss → 57

Propagation behaviours → 58

Blocking / Reflection / Scattering / Diffraction → 59

Multi-path propagation, Delay spread → 60

Multiplexing (62)

↳ ~~SDM~~ Space Division (62)

Frequency " (64)

Time " (65)

Code " (66)

10

SATURDAY

WK 10 DAY 069-296

Modulation

↳ Why modulation (68)

Amplitude Shift Keying (69)

Frequency " " (70)

Phase " " (70)

Advanced FSK (71)

Advanced PSK (72)

11 SUN

6

	M	T	W	T	F	S	S
A	30						1
P	2	3	4	5	6	7	8
R	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
'18	23	24	25	26	27	28	29

MARCH '18

MONDAY

WK 11 DAY 071-294

12

WORKS TO DO

Spread Spectrum (75)

MAC (Chapter 3) → Schiller Pg 90

Motivation (91)

Hidden & Exposed terminal (91)

Near & Far terminal (92)

SDMA (93)

FDMA (93)

↳ Frequency Division Duplex (93)

TDMA (95)

↳ Fixed (95)

↳ ALOHA (96)

↳ Slotted ALOHA (96)

↳ Carrier Sense Multiple Access (97)

↳ Demand Assigned Multiple Access (98)

↳ PRMA (99)

CDMA (103)

Comparison of S/D/T/FDMA (Pg 111)

TUESDAY

WK 11 DAY 072-293

13

M	T	W	T	F	S	S	M
			1	2	3	4	A
5	6	7	8	9	10	11	R
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		'18

Module 3 (Schiller)

Traditional TCP

↳ Congestion Control (373)

↳ Slow Start (373) → Exponential growth of congestion window (374)

↳ ~~Fast retransmit / fast recovery (374)~~

→ Congestion threshold (374)

↳ Fast retransmit / fast recovery (374)

Improvements on Mobility (375)

↑ Traditional

↓ Improvements

Endirect TCP (376)

↳ Advantages (378)

~~Disadvantages of iTCP (378)~~

↳ Disadvantages (378)

Snooping TCP (379)

↳ Advantages (380)

↳ Disadvantages (381)

Mobile TCP (381)

↳ Advantages (382)

↳ Disadvantages (383)

	M	T	W	T	F	S	S
A	30						1
P	2	3	4	5	6	7	8
R	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
'18	23	24	25	26	27	28	29

MARCH '18

FRIDAY

WK 11 DAY 075-290

16

WORKS TO DO

Fast retransmit/fast recovery (383)

↳ Adv/Dss adv (383)

8.

Transmission/time-out freezing (384)

Selective ~~Retransmission~~ Retransmission (384)

Transaction-oriented TCP (385)

Overview (386)

SATURDAY

WK 11 DAY 076-289

17

SUN 18

2018