

Week	Date	Lecture	HW & Lab	Quiz & Survey
Week 1	Tue. 9 Sep Fri. 12 Sep	Introduction + Wireless Channel		
Week 2	Tue. 16 Sep Fri. 19 Sep	OFDM	LAB 1 OUT	Survey 1
Week 3	Tue. 23 Sep Fri. 26 Sep	Tutorial 1 : Build your own 5G base station & network	HW 1 OUT	Quiz 1
Week 4	Tue. 30 Sep Fri. 3 Oct	Modulation & Data Rates + MIMO	LAB 1 DUE	Quiz 2
Week 5	Tue. 7 Oct Fri. 10 Oct	MAC + Scheduling	LAB 2 OUT	Quiz 3
Week 6	Tue. 14 Oct Fri. 17 Oct	Cellular 1: 3G/4G/5G + Millimeter Wave Networks	HW 1 DUE	Quiz 4
Break				
Week 7	Tue. 28 Oct Fri. 31 Oct	Cellular 2: Planning + Handover + Slicing + ORAN + AI	HW 2 OUT LAB 2 DUE	Survey 2
Week 8	Tue. 4 Nov Fri. 7 Nov	IoT + Wireless Localization 1		Quiz 5
Week 9	Tue. 11 Nov Fri. 14 Nov	Wireless Localization 2	LAB 3 OUT HW 2 DUE	Quiz 6
Week 10	Tue. 18 Nov Fri. 21 Nov	Wireless Sensing + Imaging		Quiz 7
Week 11	Tue. 25 Nov Fri. 28 Nov	Tutorial 2: Use wireless signals for sensing and imaging in non-line-of-sight.	HW 3 OUT & LAB 4 OUT LAB 3 DUE	Quiz 8
Week 12	Tue. 2 Dec Fri. 5 Dec	Adhoc Networks + Routing + Network Coding		Quiz 9
Week 13	Tue. 9 Dec Fri. 12 Dec	Wireless Security & Privacy	HW 3 DUE	Quiz 10
Week 14	Tue. 16 Dec Fri. 19 Dec	Advanced Topics: Full Duplex, Medical Implants, Intelligent Reflective Surfaces, Underwater Networks, Acoustics, Satellite Networks, ...	LAB 4 DUE	Survey 3