

SFARC WINTER 2024 EXTRA CLASS SCHEDULE

January 23rd through March 26th, 2024

Tuesday Evenings

7 PM - 9 PM via ZOOM

<https://us06web.zoom.us/j/87516546005?pwd=Qm9yb1pJazhjSUtqZE9uWW54dkdXdz09>

1/27/2024



Session	Date	Main Topic	Homework	KE00G Videos
1	1/23/24	Welcome & Course Outline Chap. 1 Introduction Chap. 2 Operating Practices	Read Ch 3 & 4.1	Intro to Chapter 1 Lesson 2.1 General Operating Lesson 2.2 Part 1 Amateur Satellites Lesson 2.2 Part 2 Amateur Satellites
2	1/30/24	Chap. 3 Rules & Regulations Chap. 4.1 Radio Mathematics	Read Ch 4.2 & 4.3	Lesson 3.1 Operating Standards Lesson 3.2 Station Restrictions Lesson 3.3 Station Control Lesson 3.4 Amateur Satellite Service Lesson 3.5 Volunteer Examiner Lesson 3.6 Miscellaneous Rules Lesson 4.1 Radio Mathematics
3	2/6/24	Chap. 4.2 Electrical & Magnetic Fields Chap. 4.3 Principles of Circuits	Read Ch 5	Lesson 4.2 Electrical & Magnetic Fields Lesson 4.3 Principles of Circuits (Part 1) Lesson 4.3 Principles of Circuits (Part 2)
4	2/13/24	Chap. 4.3 Principles of Circuits (Cont'd) Chap. 5 Components & Building Blocks	Read Ch 6.1, 6.2, 6.3	Lesson 5.1, Semiconductor Devices Lesson 5.2 Optoelectronics Lesson 5.3 Digital Logic
5	2/20/24	Chap. 6.1 Amplifiers Chap. 6.2 Signal Processing Chap. 6.3 Digital Signal Processing ...	Read Ch 6.4, 6.5, 7.1, & 7.2	Lesson 6.1 Amplifiers Lesson 6.2 Signal Processing Lesson 6.3 DSP & SDR
6	2/27/24	Chap. 6.4 Filters & Impedance Matching Chap. 6.5 Power Supplies Chap. 7.1 Test Equipment Chap. 7.2 Receiver Performance	Read Ch 7.3, 8.1, & 8.2	Lesson 6.4 Filters & Impedance Lesson 6.5 Power Supplies Lesson 7.1 Test Equipment Lesson 7.2 Receiver Performance

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Session	Date	Main Topic	Homework	KE0OG Videos
7	3/5/24	Chap. 7.3 Test Equipment Chap. 7.2 Receiver Performance Chap. 7.3 Interference & Noise Chap. 8.1 Modulation Systems Chap. 8.2 Digital Protocols & Modes	Read Ch 8.3, 9.1, & 9.2	Lesson 7.3 Interference & Noise Lesson 8.1 Modulation Systems Lesson 8.2 Digital Protocols
Lab #1	3/9/22	Operating Lab: HF Digital GOTA	----	----
8	3/12/24	Chap. 8.3 Amateur Television Chap. 9.1 Basics of Antennas Chap. 9.2 Practical Antennas	Read Ch 9.3, 9.4, 9.5, 10.1, & 10.2	Lesson 8.3 Amateur Television Lesson 9.1 Basics of Antennas Lesson 9.2 Practical Antennas
9	3/19/24	Chap. 9.3 Antenna Systems Chap. 9.4 Transmission Lines Chap. 9.5 Antenna design Chap. 10.1 Electromagnetic Waves Chap. 10.2 Solar Effects	Read Ch 10.3, 10.4, & Ch 11	Lesson 9.3 Antenna Systems Lesson 9.4 Transmission Lines Lesson 9.5 Antenna Design Lesson 10.1 Electromagnetic Waves Lesson 10.2 Solar Effects
10	3/26/24	Chap. 10.3 HF Propagation Chap. 10.4 VHF/UHF/Microwave Prop. Chap. 11 Safety	Schedule a VE Session	Lesson 10.3 HF Propagation Lesson 10.4 VHF/UHF/Microwave Prop Lesson 11.1 Hazardous Materials Lesson 11.2 RF Exposure Lesson 11.3 Grounding & Bonding
	3/29/24	Cramm Session (19:00 - 21:00)	Zoom Classroom	----
Lab #2	4/13/24	ZS6BKW Antenna Build (10:30-	Jan Park, Carmichael	Directions & Agenda