

## Technician Class License Class Study Schedule (Revised: 3/1/18)

Class: EBARC Spring 2018

Instructor: Ken Fowler, KO6NO (510) 222-0830, ko6no@comcast.net

Dates: April 6 through June 1

Text: *The ARRL Ham Radio License Manual, 3rd Edition*

American Radio Relay League (ARRL) Ham Radio License Manual website:

[www.arrl.org/ham-radio-license-manual](http://www.arrl.org/ham-radio-license-manual)

Online Review and Practice Exams:

[www.arrl.org/examreview](http://www.arrl.org/examreview)

4/6, Week 1 – **Introduction, Signals, and Radio.** Read Introduction, Chapter 1, Chapter 2, and Chapter 3 for next week.

4/13, Week 2 – **Electricity and Components.** Read Chapter 4 for next week.

4/20, Week 3 – **Propagation and Antennas.** Read Chapter 5.1 through 5.2 for next week.

4/27, Week 4 – **Transmitters, Receivers, Digital Modes.** Read Chapter 5.3 – 5.5 for next week.

5/4, Week 5 – **Power Supplies, Interference, Grounding.** Read Chapter 6 for next week.

5/11, Week 6 – **Contact Basics, EMCOM and Activities.** Read Chapter 7 for next week.

5/18, Week 7 – **Licensing Regulations.** Read Chapter 8 for next week.

5/25, Week 8 – **Operating Regulations.** Read Chapter 9 for next week.

6/1, Week 9 – **Safety.** Review and take practice exams. Obtain Federal Registration Number (FRN) from FCC ULS web page.

???, – **VE Exam session.** Bring your ID, FRN, and \$15 (Cash or Check) for VE.

## Technician Class Presentation Schedule:

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### Week 1 –

Introduction – 2E\_PPT1

Signals and Waves – 2E\_PPT2

Radio Equipment Basics – 2E\_PPT3

### Week 2 –

Current Voltage and Power – 2E\_PPT4

Basic Components and Units – 2E\_PPT5

### Week 3 –

Propagation – 2E\_PPT8

Antenna Fundamentals, Feed Lines, SWR – 2E\_PPT9

Practical Antenna Systems – 2E\_PPT10

### Week 4 –

Transmitters and Receivers, Digital Communications – 2E\_PPT11

### Week 5 –

Power Supplies and Batteries, RF Interference and Grounding – 2E\_PPT12

### Week 6 –

Contact Basics – 2E\_PPT13

EMCOM and Activities – 2E\_PPT14

### Week 7 –

Licensing Regulations, PPT15, PPT16, PPT17

### Week 8 –

Operating Regulations, PPT18, PPT19

### Week 9 –

Safety, PPT20, PPT21, PPT22

Review and Practice Exams

### Week 10 – VE Session Exams