

# GENERAL CLASS SYLLABUS

2019 SFTARC General Class Syllabus							Draft 3
Date/Class #	Begin	End	Instructor	Alternate	Section	Description	
<b>2019-01-05</b>							
1	9:00		Andera		1	<b>Introduction</b>	
	9:20		Darby	Andera	1.1	Class Introduction	
					1.2	The General Class License and Amateur Radio	
					1.3	How to Use this Book	
	10:15	10:15				The Upgrade Trail	
	10:30	10:00				Break	
			Darby	Andera	2	<b>Procedures &amp; Practices</b>	
					2.1	HF Operating Techniques	
		11:45			2.2	Emergency Operation	
	11:45	12:00	Andera			ARRL on-line practice	
<b>2019-01-12</b>							
2	9:00		Darby	McCarville	3	<b>Rules &amp; Regulations</b>	
					3.1	Regulatory Bodies	
					3.2	Amateur Licensing Rules	
					3.3	Control Operator Privileges	
		10:15			3.4	Technical Rules and Standards	
	10:15	10:30				Break	
	10:30	12:00	McCarville	Hall	4	<b>Components &amp; Circuits</b>	
					4.1	Electrical Review	
					4.2	AC Power	
					4.3	Basic Components	
<b>2019-01-19</b>							
3	9:00		Wolfe	McCarville	4	<b>Components &amp; Circuits (Cont.)</b>	
					4.4	Reactance and Impedance	
		10:15			4.5	Active Components	
	10:15	10:30				Break	
	10:30	12:00			4.6	Practical Circuits	
					4.7	Basic Test Equipment	
<b>2019-01-26</b>							
4	9:00		Hall	Andera	5	<b>Radio Signal &amp; Equipment</b>	
					5.1	Signal Review	
					5.2	Radio's Building Blocks	
		10:15			5.3	Transmitter Structure	
	10:15	10:30				Break	
	10:30				5.4	Receiver Structure	
	12:00			5.5	HF Station Installation		
<b>2019-02-02</b>							
5	9:00		Hall	Darby	6	<b>Digital Modes</b>	
					6.1	Introduction to Digital Modes	
					6.2	Digital Basics	
		10:15			6.3	Character-Based Modes	
	10:15	10:30				Break	
	10:30				6.4	Packet-Based Modes	
					6.5	Receiving and Transmitting Digital Modes	
	12:00			6.6	Digital Operating Procedures		
<b>2019-02-09</b>							
6	9:00		Andera	McCarville	7	<b>Antennas</b>	
					7.1	Antenna Basics	
					7.2	Dipoles, Ground-planes and Random Wires	
		10:15			7.3	Yagi Antennas	
	10:15	10:30				Break	
	10:30				7.4	Loop Antennas	
					7.5	Specialized Antennas	
	12:00			7.6	Feed Lines		
<b>2019-02-16</b>							
7	9:00		Andera	McCarville	8	<b>Propagation</b>	
					8.1	The Ionosphere	
					8.2	The Sun	
		10:15			8.3	Scatter Modes	
	10:15	10:30				Break	
	10:30		McCarville	Andera	9	<b>Electrical &amp; RF Safety</b>	
					9.1	Electrical Safety	
				9.2	RF Exposure		
	12:00			9.3	Outdoor Safety		
<b>2019-02-23</b>							
9:00		All			<b>WSYI Testing Session &amp; Practical Information</b>		
<b>2019-03-02</b>							
9:00	10:30	-			<b>Snow day option</b>		