

ARRL General Class License Manual
8th edition
Table of Contents and General License Course Outline

1		Introduction	page
	1.1	The General Class License and Amateur Radio	1-1
	1.2	How to Use this Book	1-5
	1.3	The Upgrade Trail	1-8
2		Procedures and Practices	
	2.1	HF Operating Techniques	2-1
	2.2	Emergency Operation	2-13
3		Rules and Regulations	
	3.1	Regulatory Bodies	3-1
	3.2	Amateur Licensing Rules	3-3
	3.3	Control Operator Privileges	3-6
	3.4	Technical Rules and Standards	3-13
4		Components and Circuits	
	4.1	Electrical Review	4-1
	4.2	AC Power	4-5
	4.3	Basic Components	4-7

	4.4	Reactance and Impedance	4-16
	4.5	Active Components	4-20
	4.6	Practical Circuits	4-28
	4.7	Basic Test Equipment	4-37
5		Radio Signals and Equipment	
	5.1	Signal Review	5-1
	5.2	Radio's Building Blocks	5-3
	5.3	Transmitter Structure	5-7
	5.4	Receiver Structure	5-14
	5.5	HF Station Installation	5-19
6		Digital Modes	
	6.1	Introduction to Digital Modes	6-1
	6.2	Digital Basics	6-4
	6.3	Character-Based Modes	6-5
	6.4	Packet-Based Modes	6-7
	6.5	Receiving and Transmitting Digital Modes	6-9
	6.6	Digital Operating Procedures	6-11

7		Antennas	
	7.1	Antenna Basics	7-1
	7.2	Dipoles, Ground-planes and Random Wires	7-2
	7.3	Yagi Antennas	7-7
	7.4	Loop Antennas	7-11
	7.5	Specialized Antennas	7-13
	7.6	Feed Lines	7-17
8		Propagation	
	8.1	The Ionosphere	8-1
	8.2	The Sun	8-5
	8.3	Scatter Modes	8-10
9		Electrical and RF Safety	
	9.1	Electrical Safety	9-1
	9.2	RF Exposure	9-7
	9.3	Outdoor Safety	9-12