

Syllabus: Technician License Preparation Course Instructor: David Lowe WE1U
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Sec. 97.1 Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

(a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing **emergency communications**.

(b) Continuation and extension of the amateur's proven ability to contribute to the **advancement of the radio art**.

(c) Encouragement and improvement of the amateur service through rules which provide for **advancing skills** in both the communication and technical phases of the art.

(d) Expansion of the existing **reservoir** within the amateur radio service of **trained operators, technicians, and electronics experts**.

(e) Continuation and extension of the amateur's unique ability to **enhance international goodwill**.

Textbook: "The ARRL Ham Radio License Manual". First edition, third printing. © 2006-2007
 ISBN: 0-87259-963-9

Lesson	Title	Pages
0	Welcome to Amateur Radio	
1	Equipment Definitions, Electricity	
2	Components and Units	
3	Signals and Waves	
4	Antennas and Feed Lines	
5	Propagation	
6	Transmitters and Receivers	
7	Station Fundamentals	
8	RF Interference RFI	
9	Contact Basics, Band Plans, Making a Contact	
10	Nets and Emergency Operation	
11	Special Modes and Techniques	
12	Licensing Terms, Working with the FCC, Bands and Privileges, International Rules, Call Signs	
13	Control Operators, Identification, Interference, Third Party Communications, Automatic & Remote Operations and Prohibited Transmissions	
14	Electrical Safety , RF Exposure	