



**Wabash Valley Amateur Radio Association, Inc.**  
**Post Office Box 10081**  
**Terre Haute IN 47801-0081**



## Amateur Extra License Class Schedule (2023)

Date	Chapter	Topics Covered
Jan-31-2023	1 – Introduction	The Extra Class License and Amateur Radio Extra Class Overview The Volunteer Testing Process How to Use This Book
	2 – Operating Practices	General Operating Amateur Satellites
Feb-7-2023	3 – Rules and Regulations	Operating Standards Station Restrictions Station Control Amateur Satellite Service Volunteer Examiner Program Miscellaneous Rules
Feb-14-2023	4 – Electrical Principles	Radio Mathematics Electrical and Magnetic Fields Principles of Circuits
Feb-21-2023	5 – Components and Building Blocks	Semiconductor Devices Optoelectronics Digital Logic
Feb-28-2023	6 – Radio Circuits and Systems (Part 1)	Amplifiers Signal Processing
Mar-7-2023	6 – Radio Circuits and Systems (Part 2)	Digital Signal Processing (DSP) and Software Defined Radio (SDR) Filters and Impedance Matching Power Supplies
Mar-14-2023	7 – Radio Measurements and Performance	Test Equipment Receiver Performance Interference and Noise
Mar-21-2023	8 – Modulation, Protocols, and Modes	Modulation Systems Digital Protocols and Modes Amateur Television
Mar-28-2023	9 – Antennas and Feed Lines	Basics of Antennas Practical Antennas Antenna Systems Transmission Lines Antenna Design
Apr-4-2023	10 – Topics in Radio Propagation	Electromagnetic Waves Solar Effects HF Propagation VHF/UHF/Microwave Propagation
	11 – Safety	Hazardous Materials RF Exposure Grounding and Bonding