

YARA Compressed Weekend Basic+ Radio Course
Schedule of Topics and Instructors
November 7, 8, 9 - 2008

Prerequisites: An interest in radio communications as a hobby and a motivation to learn.

Course Materials: RAC Study Guide \$50 <http://www.rac.ca/store/basic-guide.htm> (also available from YARA), Industry Canada documents (RIC-2, RIC-3, RIC-7 [Basic Qualification Question Bank](#) , RIC-9) <http://strategis.ic.gc.ca/epic/site/smt-gst.nsf/en/sf05478e.htm>, [your own notebook](#), [calculator](#)

Preparation: The weekend course is compressed and covers material quickly. It is strongly recommended that participants preview the manual, Industry Canada documents, and Basic Question Bank prior to starting the course on Friday night. This may require evenings for a couple of weeks in depending upon how much time students have available. Exams may be taken any time in addition to scheduled times.

Practice Exam Generator: download at http://strategis.ic.gc.ca/epic/site/smt-gst.nsf/en/h_sf05378e.html

Time		Topics	Instructor	Chapters	Comments	Exam Sections
Friday Night						
6:30 pm	15 min	Orientation and Introductions	Ron VY1RM	Chapter 1	Introduction Forum	
6:45 pm	2 hr 5 min	Regulations	David VY1DM	Chapter 17 RIC documents		1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-17, 1-18, 1-19, 1-20, 1-21, 1-22, 1-23, 1-24, 1-25
8:00 pm	30 min	Break				
8:30 pm	1 hr	Operation & Procedures	Scott VY1SW	Chapter 12	Phonetics Chart Q-codes Glossary RST Signals Chart	2-1, 2-2, 2-3, 2-4, 2-5, 2-6, 2-7, 2-8, 2-9
9:30 pm		End of Class Session		Preview for tomorrow		
Saturday						
8:30 am	1 hr	Waves, Bandwidth, Propagation	George VY1GP	Chapter 5, Chapter 6		1-15, 1-16 7-1, 7-2, 7-3, 7-4, 7-5, 7-6, 7-7, 7-8
9:30 am	30 min	Electronic Basics	Murray VY1MA	Chapter 2	Colour Code Chart	5-1, 5-2, 5-3, 5-8, 5-13
10:00 am	15 min	Break				
10:15 am	30 min	Ohm's Law	Murray VY1MA	Chapter 3		5-4, 5-5, 5-6, 4-6,
10:45	45 min	Inductors, Capacitors, Resonance	Murray VY1MA	Chapter 4, Chapter 9	L & C Report	5-7, 5-9, 5-10, 5-11, 5-12
12:00 pm	1 hr	Lunch break – restaurant or bring sandwiches				

1:00 pm	1 hr 45 min	Circuit Components	Murray VY1MA			4-1, 4-2, 4-3, 4-4, 4-5
2:45 pm	15 min	Break				
3:00 pm	1 hr	Transmission Lines	David VY1DM	Chapter 7		6-1, 6-2, 6-3, 6-4, 6-5, 6-6
4:00 pm	1 hr	Antennas	David VY1DM Ron VY1RM	Chapter 8		6-7, 6-8, 6-9, 6-10, 6-11, 6-12, 6-13, 3-9
5:00 pm		End of Class Session		Preview for tomorrow		
Sunday						
8:30 am	1 hr	Station Design	Jon VY1JMX	Chapter 11		3-1
9:30 am	30 min	Power Supplies	Jon VY1JMX			3-8, 3-16, 3-17
10:00am	15 min	Break				
10:15 am	45 min	Modulation and Transmitters	Jon VY1JMXI	Chapter 13		3-2, 3-4, 3-11, 3-12, 3-13, 3-14
11:00 am	30 min	Receivers	Jon VY1JMX	Chapter 14		3-3, 3-5, 3-6, 3-10,
11:30 pm	30 min	Digital Mode	Jon VY1JMX			3-7, 3-14, 3-15
12:00 pm	1 hr	Lunch break – restaurant or bring sandwiches				
1:00 pm	1 hr	Radio Interference	Paul VY1PG	Chapter 15		8-1, 8-2, 8-3, 8-4, 8-5
2:00 pm	1 hr	Safety Summary	Paul VY1PG	Chapter 16	Safety Checklist	3-18, 3-19, 3-20, 3-21
3:00 pm	1 hr	Exam Prep	Bob VY1MB Official Examiner	Sample Exam		
	2 hr	Break				
Sunday Exam option one						
5:00 pm	Up to 2.5 hr	Exam	Bob VY1MB Official Examiner	Final Exam		
7:30 pm		End of Exam			Some may be finished sooner	
Wednesday Exam option two and/or retry – November 12						
7:00pm	Up to 2.5 hr	Exam	Bob VY1MB Official Examiner	Final Exam		