

**YARA Compressed Weekend Basic+ Radio Course  
Schedule of Topics and Instructors  
October ? 2008 TO BE CONFIRMED**

**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](http://strategis.ic.gc.ca/epic/site/smt-gst.nsf/en/h_sf05378e.html)

Time	Topics	Instructor	Chapters	Comments	Exam Sections
<b>Friday Night</b>					
6:30 pm	Orientation and Introductions	Ron McFadyen	Chapter 1	Introduction Forum	
6:45 pm – 8:30 pm	Regulations	David VY1DM	Chapter 17 RIC documents		1-1, 1-2, 1-3, 1-4, 1-5, 1-5, 1-6, 1-7, 1-8, 1-8, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-14, 1-17, 1-18, 1-19, 1-20, 1-21, 1-22, 1-23, 1-24, 1-25
8:00 pm	Break				
8:30 pm	Operation & Procedures	TBC	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		
<b>Saturday</b>					
8:30 am	Electronic Basics	TBC	Chapter 2	Colour Code Chart	5-1, 5-2, 5-3, 5-8, 5-13
9:00 am	Ohm's Law	TBC	Chapter 3		5-4, 5-5, 5-6, 4-6,
9:30 am	Inductors, Capacitors, Resonance	TBC	Chapter 4, Chapter 9	L & C Report	5-7, 5-9, 5-10, 5-11, 5-12
10:00 am	Break				
10:15 am	Circuit Components	TBC			4-1, 4-2, 4-3, 4-4, 4-5
12:00 noon	Lunch		(order in or bring sandwiches)		

Lunch break					
1:00 pm	Transmission Lines	TBC	Chapter 7		6-1, 6-2, 6-3, 6-4, 6-5, 6-6
2:00 pm	Break				
2:15 pm	Antennas	TBC	Chapter 8		6-7, 6-8, 6-9, 6-10, 6-11, 6-12, 6-13, 3-9
3:45 pm	Break				
4:00 pm	Waves, Bandwidth Propagation	George Privett	Chapter 5, Chapter 6		1-15, 1-16 7-1, 7-2, 7-3, 7-4, 7-5, 7-6, 7-7, 7-8
5:00 pm	End of Class Session		Preview for tomorrow		
Sunday					
8:30 am	Station Design	Jon Marral	Chapter 11		3-1
9:30 am	Power Supplies	Jon Marral			3-8, 3-16, 3-17
10:00am	Break				
10:15 am	Modulation and Transmitters	Jon Marral	Chapter 13		3-2, 3-4, 3-11, 3-12, 3-13, 3-14
11:00 am	Receivers	Jon Marral	Chapter 14		3-3, 3-5, 3-6, 3-10,
11:30 pm	Digital Mode	Jon Marral			3-7, 3-14, 3-15
12:00 pm	Lunch Break		(order in or bring sandwiches)		
1:00 pm	Radio Interference	TBC	Chapter 15		8-1, 8-2, 8-3, 8-4, 8-5
2:00 pm	Safety Summary	TBC	Chapter 16	Safety Checklist	3-18, 3-19, 3-20, 3-21
3:00 pm	Exam Prep	TBC	Sample Exam		
	Break				
Sunday Afternoon					
5:00 pm	Exam	Bob Melanson TBC – Official Examiner	Final Exam		
7:30 pm	End of Exam			Some may be finished sooner	
Tuesday 7:00 pm - Option two and/or Retry					
7:00pm	Exam	Bob Melanson TBC– Official Examiner	Final Exam		