

# YARA Compressed Weekend Basic+ Radio Course

## Schedule of Topics and Instructors

### October 19, 20, 21 - 2007

**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, Mike House	Chapter 1	Introduction Forum	
6:45 pm – 8:30 pm	Regulations	David McWhinney	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	Scott Williamson	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	Brian Butler	Chapter 2	Colour Code Chart	5-1, 5-2, 5-3, 5-8, 5-13
9:00 am	Ohm's Law	Brian Butler	Chapter 3		5-4, 5-5, 5-6, 4-6,
9:30 am	Inductors, Capacitors, Resonance	Brian Butler	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	Brian Butler			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	Ron McFadyen	Chapter 7		6-1, 6-2, 6-3, 6-4, 6-5, 6-6
2:00 pm	Break				
2:15 pm	Antennas	Ron McFadyen	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	Dave Gillis	Chapter 11		3-1
9:30 am	Power Supplies	Dave Gillis			3-8, 3-16, 3-17
10:00am	Break				
10:15 am	Modulation and Transmitters	Dave Gillis	Chapter 13		3-2, 3-4, 3-11, 3-12, 3-13, 3-14
11:00 am	Receivers	Dave Gillis	Chapter 14		3-3, 3-5, 3-6, 3-10,
11:30 pm	Digital Mode	Dave Gillis			3-7, 3-14, 3-15
12:00 pm	Lunch Break		(order in or bring sandwiches)		
1:00 pm	Radio Interference	Murray Adams	Chapter 15		8-1, 8-2, 8-3, 8-4, 8-5
2:00 pm	Safety Summary	Murray Adams	Chapter 16	Safety Checklist	3-18, 3-19, 3-20, 3-21
3:00 pm	Exam Prep	Bob Melanson Mike House	Sample Exam		
	Break				
Sunday Afternoon					
5:00 pm	Exam	Bob Melanson – 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 – Official Examiner	Final Exam		