

TUTORIAL PLAN FOR AUTUMN 2014 INTERMEDIATE COURSE

TOPIC	Worksheet	Date
Soldering Skills and Safety	2	Build weekend – Sat Nov 1 & Sun Nov 2
Building a simple DC circuit	5	Build weekend
Project Briefing and tool safety	6	Build weekend
Fitting a 13A plug and electrical safety	7	Build weekend
Measuring potential difference	9	Build weekend
Measuring current	10	Build weekend
Series / parallel resistance circuit	20	Build weekend
Calibrating a VFO	22	Build weekend
Using diodes	24	Build weekend
Transistor as a switch	26	Build weekend
RF co-axial connectors	35	Build weekend
Practical Assessment	39	Build weekend
Components and Symbols	4	September
Conductors, Insulators & Semiconductors	3	September
Diodes and Transistors	23	September
Multimeters & Units of measurement	8	September
Measuring Resistance	14	October
Demonstrating Ohm's law	19	October
Alternating Current	15	October
Capacitors and Inductors	16	November
Reactance and Impedance	17	November
Tuned Circuits	18	November
Power Supplies	28	December
Calculating Input Power	12	December
Transmitters	25	January
Receivers	30	January 2015
RF Oscillators	21	January 2015
Other Types of Modulation	29	January 2015
Antenna matching	31	February 2015
Antenna Feeders	32	February 2015
Antenna Topics	33	February 2015
Propagation	34	February 2015
EMC	36	As convenient
Checking harmonics and Spurious Emissions	37	As convenient
Revision and Self-Test		March 2015
Exam Techniques and Test Questions		March 2015
Examination		March 2015
<i>Note: No tutorials for Licence Conditions</i>		

Notes:

1. If we cover the ground more quickly than expected, the plan may be adjusted.
2. Once the practicals are completed, those who wish to may take the exam early if arrangements can be made at that time.