

# Chelmsford Amateur Radio Society - Intermediate Course-8 Lesson Plan

| Tutorial Session (1), Practical Session (2) - Both 1 Hour |   |                                  |            | Tutorial Session (1), Practical Session (2) - Both 1 Hour   |   |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|---|---|----------------------------------|------------|---|---|---|------------|------------------------------|--|--|--|--|--|------------|-------|-------|--------|----------------|-------|---------------|-------|-------|--------|--------------|-------|--|--|--|--|--------------|-------|--|--|--|--|----------------|-------|
| Date/No   | Session Headings  | Tutor                            | Notes      | Date/No   | Session Headings                                    | Tutor   | Notes      |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Thu 30<br/>Apr<br/>1</b>                               | (1) Nature of Amateur Radio<br>(9) Safety, (10) Soldering     | <b>EUC<br/>IPU</b>               |            | <b>Thu 11<br/>Jun<br/>7</b>   | (5) Feeders and Antennas                            | <b>IPU</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   | 13A Plug  | Solder Practice                  | <b>AII</b> |   | Calib VFO - iv                                      | Project - ii                                      | <b>PEM</b> | <b>AII</b>                   |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Thu 7<br/>May<br/>2</b>                                | (3) Technical Basics (Part 1)<br>- Components<br>(3) Metering | <b>IPU<br/>IEO</b>               |            | <b>Thu 18<br/>Jun<br/>8</b>   | (6) Propagation                                     | <b>IPU</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   | Resistor Tests  | PL259 - BNC                      | <b>AII</b> |   | Finish Project – iii / Revision                     | <b>AII</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Thu 14<br/>May<br/>3</b>                               | (3) Technical Basics (Part 2)<br>- Circuits                   | <b>JYB</b>                       |            | <b>Thu 25<br/>Jun<br/>9</b>   | (9) Operating Practice<br>New Modes – Demo PSK31etc | <b>IPU</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   | Components / Recognition<br>Build Circuit & Tests             | <b>AII</b>                       |            |   | Technical Revision                                  | <b>JYB</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Thu 21<br/>May<br/>4</b>                               | (3) Technical Basics (Part 3)<br>- AC Circuits                | <b>JYB</b>                       |            | <b>Thu 2<br/>July<br/>10</b>  | (7) EMC   | <b>IPU</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   | Calib VFO - i   | Measurements<br>on circuit board | <b>PEM</b> |   | <b>AII</b>  | (8) Licence conditions<br>inc Frequency Schedules | <b>EUC</b> |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Thu 28<br/>May<br/>5</b>                               | (4) Tx/Rx-1: Transmitters                                     | <b>JYB</b>                       |            | <b>Thu 9<br/>July<br/>11</b>  | <b>Intermediate Mock Exam</b>                       | <b>AII</b>  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   | Calib VFO – ii  | Measurements<br>on circuit board | <b>PEM</b> |   | <b>AII</b>  | Review Mock Exam                                  |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Thu 4<br/>Jun<br/>6</b>                                | (4) Tx/Rx-2: Receivers  | <b>JYB</b>                       |            | <b>Thu<br/>Jul 16</b>   | <b>Exam Day</b>                                     |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   | Calib VFO - iii   | Project - i                      | <b>PEM</b> |   | <b>AII</b>  | <b>Venue: EX144 DANBURY VILLAGE HALL</b>          |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| <b>Lead Instructor: Chris Chapman G0IPU</b>               |   |                                  |            | <table style="width: 100%; border: none;"> <tr> <td colspan="2"><b>Instructors / Tutors:</b></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>Clive Ward</td> <td>G1EUC</td> <td>01245</td> <td>224577</td> <td>Martyn Medcalf</td> <td>G1EFL</td> </tr> <tr> <td>Chris Chapman</td> <td>G0IPU</td> <td>01245</td> <td>269207</td> <td>Murray Niman</td> <td>G6JYB</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Carl Thomson</td> <td>G3PEM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Mark Sanderson</td> <td>M0IEO</td> </tr> </table> |   |   |            | <b>Instructors / Tutors:</b> |  |  |  |  |  | Clive Ward | G1EUC | 01245 | 224577 | Martyn Medcalf | G1EFL | Chris Chapman | G0IPU | 01245 | 269207 | Murray Niman | G6JYB |  |  |  |  | Carl Thomson | G3PEM |  |  |  |  | Mark Sanderson | M0IEO |
| <b>Instructors / Tutors:</b>                              |   |                                  |            |   |   |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| Clive Ward  | G1EUC   | 01245                            | 224577     | Martyn Medcalf  | G1EFL   |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
| Chris Chapman   | G0IPU   | 01245                            | 269207     | Murray Niman  | G6JYB   |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   |   |                                  |            | Carl Thomson  | G3PEM   |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |
|   |   |                                  |            | Mark Sanderson  | M0IEO   |   |            |                              |  |  |  |  |  |            |       |       |        |                |       |               |       |       |        |              |       |  |  |  |  |              |       |  |  |  |  |                |       |