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| **Week** | **Monday 4:15pm-6:15pm (BARB02)** | **Friday 2:00pm-4:00pm (BARB02)** |  |
| **1** |  | **22/9 Lecture 1**  Mobile propagation channels 1 (CO) |  |
| **2** | **25/9 Project 1**  Introduction and guided session | **29/9 Lecture 2**  Mobile propagation channels 2 (CO) |  |
| **3** | **2/10** **Exercise 1**  Mobile propagation channels | **6/10 Lecture 3**  Multiple access techniques (LV) |  |
| **4** | **9/10 Lecture 4**  3G standards (LV) | **13/10** **Exercise 2**  CDMA and spread spectrum |  |
| **5** | **16/10** **Project 2**  Guided session | **20/10** **Lecture 5**  Multi-antenna channels (CO) |  |
| **6** | **23/10 Exercise 3**  Multi-antenna channels | **27/10 Lecture 6**  MIMO channels (CO) |  |
| **7** | **SMART** | **SMART** |  |
| **8** | **6/11** **Exercise 4**  MIMO channels 1 | **10/11 Lecture 7**  MIMO channels 2 (CO) |  |
| **9** | **13/11 Project 3**  Guided session | **17/11 Lecture 8**  MIMO techniques 1 (LV) | Problem definition |
| **10** | **20/11 Lecture 9**  MIMO techniques 2 (LV) | **24/11** **Project 4**  Mentoring session | Problem definition |
| **11** | **27/11 Lecture 10**  4G and 5G channel models (CO) | **1/12 Lecture 11**  LTE, LTE-A and NR (LV) | Meeting with TA |
| **12** | **4/12 Lecture 12**  Massive and cell-free MIMO (LV) | **8/12** **Lecture 13**  Future trends in communications (LV) |  |
| **13** | **11/12** **Exercise 5**  Power control algorithms | **15/12** **Project 5**  Mentoring session |  |
| **14** | **18/12** **Project 6**  Mentoring session | **22/12** **Project 7**  Final presentation |  |