Trimester Teaching Plan Advanced Programming Mobile Devices COMP09078

200 hours ‘Notional Effort’ per student

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| Week | Lecture | Lab | Self-Study |
| 1 | Introduction:  Formative Test and Group Formation,  Assessment Discussion, Project Management Discussion |  | Project planning  Revision of Mobile Topics |
| 2 | Programming Principles:  JavaScript Case Study: Appointments /currency convertor  Optional: JQuery Mobile Revision, Firebase Revision | Lab: Planning | Project Prototype  Interface Development  UML Design |
| 3 | Programming and Algorithm Design:  UML Revision, JavaScript Case Study, JSONP, Firebase Revision | Lab: Prototype  Design | Algorithm Design |
| 4 | Case Study: Ajax and RSS-Reader  Programming Structures: Stacks and Queues with Arrays | Lab: UML and  Algorithm Design | Ajax and RSS-Reader Case Study |
| 5 | Pointers | Assessment: Implementation |  |
| 6 | Revision Week: Consolidation  No Lecture | No Lab | Assessment: App Development |
| 7 | App Testing and Deployment | Lab: App Implementation | Assessment: App Development |
| 8 | Group Presentations | Lab: App Testing | Assessment: Report |
| 9 | Exam Work and Revision  Practice Exam | Lab: App Deployment | Assessment: App Development |
| 10 | Exam Work and Revision  Practice Exam | Exam revision | Assessment: Report |
| 11 | Feedback session | Report Assessment Hand-in |  |
| 12 | Consolidation |  |  |