



COMP2140/7240 Weekly Course Schedule

Note:

GenAI Prompting and Learning with AI is embedded throughout the course. The Week 7 lecture specifically focusses on the integrating of GenAI functionality via API calls in web and mobile applications.

Week	Lecture	Applied Class
Week 1	JavaScript - Tour of a Modern Language	Setting Up Node.js
Week 2	JavaScript Functional Programming (including Higher Order Functions and Recursion vs Iteration)	Functional JavaScript: JavaScript: Modern Language Syntax & Higher Order Functions
Week 3	Immutability, Async Fetch & Dependencies	Functional JavaScript: Recursion vs Iteration
Week 4	Introduction to React	Functional JavaScript: Async Fetch & Transpiling
Week 5	React: JSX and React Router	React Web: Setting Up React
	JavaScript Functional Programming Assessment Due: Friday 29/8/2025 5pm (End Week 5)	
Week 6	React: State and Hooks Guest Lecture: UX Design for Web Apps	React Web: JSX & Components and React Router
Week 7	React: Integrating GenAI in React Web Apps	React Web: States & Hooks
Week 8	Responsive Design and React Native (Expo) Introduction	React Web: Integrating GenAI in React Web Apps
Week 9	React Native: Navigation and Maps	React Native: Building and Testing React Native Apps
	React Web App Assessment Due: Friday 26/9/2025 5pm (End Week 9)	
	Mid-Semester Break	
Week 10	React Native: Using Native Device API's	React Web App Demonstration & Code Review
Week 11	React Native: Testing & Deployment Guest Lecture: Publishing your App to an AppStore	React Native: Maps & Device APIs
Week 12	Full Stack React Web Frameworks (e.g. Next.js)	React Native: Work on our React Native Project
	React Native App Assessment Due: Friday 24/10/2025 5pm (End Week 12)	
Week 13	No Lecture	React Native App Demonstration & Code Review