

# EECS 498/SI 517: Cloud Computing in the Commute



In this project-based course, students will work in small multi-disciplinary teams to design, build, and demonstrate an automotive telematics application. Students will be given a software development platform, based on Microsoft Windows and Robotics Studio, with access to vehicle performance data, social networking platforms, networking services, voice recognition, and text-to-speech, as well as the Windows Azure cloud environment. Development takes place on both a desktop simulator, on Windows Azure, as well as in a specially modified 2011 Ford Fiesta prototype vehicles. Students will have special access to Ford and Microsoft technologists through guest lectures, as well as special access to remote Ford and Microsoft subject matter experts to help them succeed. At the end of the term, student projects will be evaluated by a team of faculty, Ford engineers, Microsoft leaders, and others. The course has both programming and design tracks, each of which has separate individual assignments and prerequisites. EECS majors (programmers) should sign up for EECS 498 and SI students (designers) should sign up for SI 517.

EECS 498 is approved for MDE credit for CS/LSA and CS/CoE degrees.

E-mail Jason Flinn or Brian Noble for further information.