COURSE OVERVIEW
Jan 27 Mon Wearables (smartwatches, smartbands, intelligent ear phones)
Enterprise applications (smart vehicles, intelligent care systems)
Challenges in big and small data (realtime learning for intelligent devices)
Challenges in security and privacy (data theft)
Challenges in networking (low latency, low-cost, fine-grain virtualization)

IOT TECHNOLOGY AND SERVICES
Jan 29 Wed Smart home (appliances and homecare)
Feb 3 Mon 3D image sensing (gesture recognition)
Feb 5 Wed Lowpower SoC (embedded platforms)
Feb 10 Mon Wearables and motion sensors (smart watches/bands/glasses, acceleometers, gyroscopes)

INTELLECTUAL UNDERPINNINGS IN COMPUTER SCIENCE
Feb 12 Wed Intelligent IoT (i): personalized gesture recognition
Feb 17 Mon (University Holiday: President’s Day)
Feb 19 Wed Intelligent IoT (ii): machine learning basics
Feb 24 Mon IoT programming (i): javascript, node.js, web socket and html5
(Breadboard lab assignment due)
Feb 26 Wed IoT networking (scaling the network)
Mar 3 Mon Secure IoT (I): basic concepts
Mar 5 Wed Secure IoT (II): attacks
Mar 10 Mon Secure IoT (III): solutions
(1-page abstracts of proposed course projects are due Sunday midnight, Mar 9.
Students receive feedback from teaching staff on Tuesday, Mar 11)

COURSE PROJECTS
Mar 12 Wed Commercializing connected devices
Mar 17 Mon (Spring Recess)
Mar 19 Wed (Spring Recess)
Mar 24 Mon Project proposal presentations
(Link to the relevant research paper to be presented is due Tuesday midnight, Mar 25)
Mar 26 Wed Project proposal presentations
Mar 31 Mon Research paper presentations
Apr 2 Wed Research paper presentations
Apr 7 Mon Research paper presentations
Apr 9 Wed IoT programming (ii): WebRTC and databases
Apr 14 Mon Individual team meetings
Apr 15 Tue Individual team meetings
Apr 16 Wed Individual team meetings

WRAPPING UP
Apr 21 Mon Project presentation rehearsals
Apr 23 Wed Project presentation rehearsals
Apr 28 Mon Student project presentations
Apr 30 Wed Students receive advice on their project reports

May 12 Mon Project final reports due