

## **Intro to the Internet of Things**

**ARTS 391 - 004**

**Spring 2016**

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Pollak Building, Room 227

Jan. 21 - Feb. 16

Tuesday + Thursday, 5 - 6:30pm

### **Major Topics**

History of the Internet of Things (IoT)

The current landscape of hard/software

Electronic components and circuits

Programming concepts

Troubleshooting and debugging

Human & Computer interaction

Publishing to the Internet

### **Course Workshops and Activities**

Working with components and building circuits

Soldering workshop and breadboard prototyping

Programming fundamentals

Using an IDE to program Microcontrollers

Networking and connectivity

Sensing, Actuation and Input

### **Course Requirements**

Out-of-class reading and exercises will be assigned as needed to supplement our in-class work. Discussion of these assignments both online and in the class count towards an evaluation of participation.

### **Method of Evaluation**

This course will be on a pass / fail basis. Your grade will be based on a holistic assessment of your active participation in all course activities, and the contributions you make in support of the learning of your peers. Due to it being a short course attendance is extremely important and 1 unexcused absence may lead to a failing grade.

Ultimately, the expectation is that you care about your learning and respect your peers.