New York City College of Technology
Entertainment Technology Department
300 Jay Street, Room V-205 Brooklyn, NY 11201
(718) 260-5588

MTEC 2280-D334 Ins/Outs of Physical Computing
Lecture Hours, Lab Hours, Studio Hours, Credits and Total Hours
Prerequisites: MTEC 1005, PRE- OR CO-REQUISITE OF IMT 1102

Fall 2015
Professor: Zevensuy Rodriguez
Office: Vorhees 411A
Email: zrodriguez@citytech.cuny.edu
Office Hour(s): M/W 9:30 – 10:00 A.M.

Class Meeting Time:
Monday/Wednesday, 10:00-11:40 P.M., Vorhees 321

Course Description:
The focus of this course is to explore how we interact between the digital and physical world. In this class you will be introduced to the Arduino microcontroller as well as screen based languages like python and max/msp. We will learn about how interaction design effects the products and installations, we engage with on a daily basis. By using different switches, sensors, and screen based interactions we will discover best practices in usability and interaction. Students will work on creative group projects and provide on-line documentation of their work.

Grades:
Your grade will be determined as follows:

Modules(3)	**60**%
Documentation	**30**%
Attendance	**10%**

Learning Outcomes

After taking this class, the student will be able to...	This will be demonstrated by...
Design user interfaces	Creating physical and paper prototypes
Understand how communicate across various pieces of hardware	Making an digital interface with a physical hardware
Program user flow	Creating multi-tiered interactive application

Create projects with creative controls	Experimenting with alternative interfaces

Required Texts And Materials:

There are no required texts.

Attendance Policy:

Attendance is required for all classes. If you have a legitimate reason for missing a class/assignment or if you will be late, you must contact me (see above) before class begins. It is City Tech policy that if you have three unexcused absences, you will fail the class. More than 3 absences will result in an "F" (Failure). TWO LATE ARRIVALS = ONE ABSENCE. If a student misses a class session, it is the student's responsibility to make up any work missed.

Make-ups

If a student finds he or she will not be able to present or hand in a project on the scheduled day, it is the student's responsibility to notify the instructor PRIOR to that due date

Academic Integrity Policy (College Policy)

Students and all others who work with information, ideas, texts, images, music, inventions, and other intellectual property owe their audience and sources accuracy and honesty in using, crediting, and citing sources. As a community of intellectual and professional workers, the College recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and at New York City College of Technology and is punishable by penalties, including failing grades, suspension, and expulsion. The complete text of the College policy on Academic Integrity may be found in the catalog.