Purdue University Polytechnic Institute New Albany

Textbook Information

Spring 2021

ECET 177 – Data Acquisition and Systems Control

INSTRUCTOR: Turner, Matthew

MODALITY: Hybrid (Synchronous lecture, In person lab-<mark>New Albany students</mark>)

SOFTWARE/MATERIALS: The ECET 17700 Lab requires a kit that is ordered from an online retailer, www.eeinabox.com. There are three options for this kit:

1. If taking both ECET 17700 and ECET 17900 (either together or in the future), order a COMBO KIT. https://shop.eeinabox.com/ECET-177-ECET-179-Combo-Kit-ECET-177-ECET-179-Combo-Kit.htm

2. If you will only take ECET 17700 and never take ECET, order an ECET 177 KIT. https://shop.eeinabox.com/ECET-177-kit-with-Microprocessor-Cables-Bundle-177-with-micro-and-cables.htm

3. If you have already taken ECET 179, but need the ECET 177 add on, order a ECET 177 PARTS KIT.

https://shop.eeinabox.com/ECET-177-Parts-Kit-for-West-Lafayette-New-Albany-Campus-177-WL-NA.htm

NOTES: Each student will require a lab kit. These will be mailed to the Instructor, and he will distribute.

(This kit will be used continuously throughout your ECET studies at Purdue New Albany).

Please contact EE in a Box with questions/issues: sales@eeinabox.com

ECET 179 – Introduction to Digital Systems

INSTRUCTOR: Lucas, Tom

MODALITY: In person

TEXTBOOK: Information will be provided in class

SOFTWARE/MATERIALS: Atmel Studio (on lab computers or free online)

Arduino Mega 2560

ECET 270 – Electronics Prototype Development and Construction

INSTRUCTOR: Le, Nghia

MODALITY: In person

TEXTBOOK: No textbook required

ECET 274 – Wireless Communications

INSTRUCTOR: Lucas, Tom

MODALITY: Hybrid – Online lecture/In person lab

TEXTBOOK: Information will be provided in class

KIT/MATERIALS: ECET 274 Radio kit - https://shop.eeinabox.com/ECET-274-Radio-Kit-274.htm

ECET 277 – AC and Power Electronics

INSTRUCTOR: Le, Nghia

MODALITY: In person

TEXTBOOK: No textbook required

ECET 279 – Embedded Digital Systems

INSTRUCTOR: Lucas, Tom

MODALITY: In person

TEXTBOOK: Information will be provided in class

SOFTWARE: Atmel Studio (on lab computers or free online)

MATERIALS/KITS: Arduino Mega 2560

Lights and Switches kit –

https://shop.eeinabox.com/Lights-Switches-Breadboard-Kit-LS-Breadbaord-kit.htm

ECET 327 – Instrumentation and Data Acquisition Design

INSTRUCTOR: Turner, Matthew

MODALITY: Hybrid (Synchronous lecture, In person lab)

TEXTBOOK: No textbook required

ECET 32700 - Instrumentation and Data Acquisition Design

INSTRUCTOR: Deodeshmukh, Rashmi (Anderson)

MODALITY: Online Synchronous LEC Mon 5:30-7:20 pm with live instructor interaction. (See NOTES).

P: (PHYS 21800 or PHYS 22000) and MA 16010 and (ECET 17700 or ECET 22400)

NOTES: Recorded Lecture will be online asynchronously. Live interaction with the instructor will be online Mon   5:30-7:20pm. Lab will be on student's campus with local instructor. Times vary with campus.

ECET 372 – Process Control

INSTRUCTOR: Didat, Mark

MODALITY: Hybrid (Synchronous lecture, some in person labs)

TEXTBOOK: No textbook required. Materials will be provided by the Instructor.

ECET 460 – Project Design and Development

INSTRUCTOR: Turner, Matthew; Dues, Joe

MODALITY: Hybrid (Synchronous lecture, In person lab)

TEXTBOOK:

NOTES: Cross-listed with MET 402