

Engineering/Physics/Technology Department
NASSAU COMMUNITY COLLEGE

ELT 220C2, CRN 50907, Laboratory for Advanced Topics in Digital Technology – Spring 2020

Instructor: Prof. Donald Wade, E-mail: WadeD@ncc.edu

Departmental Office: room D-2087, phone 516-572-7272

Class Hours (3): Thursday, 1:00 3:45 PM; room tba; *Credits:* part of lab/lecture course

Prerequisites: ELT-215;

Text: same as used in ELT-214/215

Lab manual/experiment sheets will be furnished

Materials Required (for all classes)

Small diagonal wire cutter & Small needle-nose pliers

Optional Materials (for all classes)

"Analog Discovery" kit which must be purchased; <http://store.digilentinc.com>

instructions for ordering: <http://www.donwade.us/217/DigilentOrdering.html>

Laptop computer with USB port

Web Information: Prof Wade's web information page is: www.donwade.us

Assignment lists are available through the information page or directly at www.donwade.us/220

Cell Phones, Beepers, etc.:

Please set all cell phones, etc. to "silent". If it is necessary to talk on a cell phone, please leave the room; do not hold conversations in the class room.

Class Absences/lateness: It is the student's responsibility to find out assignments given during missed classes, make up the lab work at a time arranged with the lab assistants, and hand in the report in a timely manner. Absences or excessive lateness will cause a reduction in grade. Missed quizzes will be given a grade of zero.

The official college policy is: "Students are expected to attend all classes. Absences due to illness or for other serious reasons may be excused by the instructor. Students are advised that absences in excess of 10% of the total class meetings may result in the student being dropped from the course. Some departments may have additional attendance guidelines and related grading policies. The instructor shall detail the specific attendance policy for his/her class. Students are responsible for all course work missed."

Quizzes and/or lab practicals may be given at any time.

Lab Procedure highlights:

- 1) Data Sheets must be signed by the instructor **before** you take apart your final wiring or leave class (or by the lab assistant when making up a missed experiment).
- 2) Power must be off while you are wiring or changing connections.
- 3) Resistor and/or component leads are not to be twisted together--use the breadboard.
- 4) Labs are done either individually or with a partner; as indicated by the instructor. In no case shall the size of a lab group exceed 2 persons.
- 5) See separate hand out sheet from Prof Schoenfeld for breadboard wiring requirements.

Lab Reports are due the class after the lab is performed; late reports will be reduced one letter grade for each week late and may not be accepted after that report has been handed back to the class. Reports not handed in will be given a grade of zero.

Grading Procedure and Learning Objectives: as specified by the primary instructor of the course (Prof. Schoenfeld).

Withdrawal: Permission will be given by the instructor at any time before the final class (even after the withdrawal deadline in the administrative calendar) if asked for. Withdrawal without proper notification will result in a grade of F.

Cheating will result in a failing grade.

Attribution: The use of Internet derived or any other materials in reports without proper attribution will be considered plagiarism and will be treated accordingly.

Disabilities Statement: If you have a physical, psychological, medical, or learning disability that may impact on your ability to carry out the assigned coursework, I urge you to contact the staff at the Center for Students with Disabilities (CSD), Building U, (516 572-7241), TTY (516) 572-7617. The counselors at CSD will review your concerns and determine to what reasonable accommodations you are entitled as covered by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All information and documentation pertaining to personal disabilities will be kept confidential.