

Palm Beach State College
Course Syllabus – Classroom Course

General Class and Course Information

Course Number: EEE1215C	Course Title: Introduction to Electronics		
Term/Dates: Summer 2017	Reference Number: 226876	Credit Hours: 3	Clock Hours: 48
Days: Tuesday	Time: 6pm-10pm	Room: SC149	
Course Description: This course will develop skill sets for testing, trouble-shooting, configuration/set up and analysis of electrical and electro-mechanical devices.			

Professor's Information

Name: Melissa Morris	Office Location: per appointment
Telephone: TBD	Email: TBD@palmbeachstate.edu
Faculty Web Page: www.melissatronic.com/Teaching	Office Hours: per appointment

Information on RECOMMENDED (not required) Textbook:

Title	Edition	Author	Publisher	ISBN
Electronic Devices Conventional Current Version	9 th	Floyd	Prentice Hall	978---0---13---254986---8

Supplementary Recommended Books/Materials

Title	Edition	Author	Publisher	ISBN
Practical Electronics for Inventors	4 th	Schertz & Monk	McGraw-Hill	978-1-25-958754-2

Course Learning Outcomes:

As a result of taking this course, the student will be able to:

- Demonstrate the building of practical electronic circuits.
- Develop skills to assist in the completion of electronic-oriented projects.
- Design electronic schematics and pictorials.
- Demonstrate use of amplifiers, oscillators and digital circuits.
- Understand the foundation of development of a circuit board.
- Develop testing, trouble-shooting, configuration/set-up of electronic panels.

Full Course Outline - Click on the following link: [Course Outlines](#) and enter the course number (no space between the prefix and the number).

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Class Information

This course will develop skill sets for testing, trouble-shooting, configuration/set up and analysis of electrical and electro-mechanical devices. Prerequisites: EET1015C, EET1025C.

Each lecture will have the lab portions integrated with the material. Active participation during class sessions is expected.

Tentative lecture schedule:

- Lecture 1: Introduction, Review, Diodes, and Transistors
- Lecture 2: BJT, Power, and FET Amplifiers
- Lecture 3: Operational Amplifiers
- Lecture 4: Amplifier Circuits
- Lecture 5: Oscillators and Voltage Regulators
- Lecture 6: Review and Intro to Digital Logic Circuits
- Lecture 7: Midterm / Project Presentations
- No class on July 4th -
- Lecture 8: Circuit Board Development
- Lecture 9: Sensors and Motors
- Lecture 10: Microcontrollers, Break Out Boards and Interfaces
- Lecture 11: Review / Lab Make-Up / Projects
- Lecture 12: Final / Project Presentations

Academic Dishonesty Policy and Penalty for Violation:

Student violating Academic Dishonesty Policy will receive grade "F" in this course.

Assignments, Tests, Quizzes and Final Exam Schedule, with percentage/points of grade:

Attendance will be taken for every class session.

A quiz will be given at the beginning of all class sessions except for the first and when there is an exam. Quizzes will cover material from the previous class session. All students must attempt the quiz, even if absent for the previous class session. The lowest quiz grade will not be counted, so only eight of the nine quizzes will be factored into the grade. Laboratory work will be integrated into most, if not all, class sessions. In-class assignments will be given and may become homework if not completed in class. Projects will also be assigned and may be finished in class or as homework. A midterm and final will be given, but they will not take up the entire class session on those days.

Percentages of each activity as counted toward the final course grade will be assigned as follows:

Activity	Grade Percentage
Attendance	5%
Class/Lab Participation and Assignments	30%
Quizzes	20%
Projects/Homework	25%
Midterm	10%
Final	10%

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Grading:

Final total percentage will be rounded up to the next whole percentage.

Letter Grade	Percentage
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

Class Policies

Attendance: Professors are required to take attendance.

Professors are obligated to record the attendance. Good attendance is a key to success. Repeated late arrivals will not be tolerated, and professor reserves the right to remove a student from a class if the student is repeatedly late.

Electronic Device Use and Email Policy:

Use of electronic devices such as cell phones and computers are permitted anytime EXCEPT during quizzes and exams provided that they do not interrupt other students. No audio or video may be recorded without prior permission. If a phone call is urgent, the student should step outside of the classroom and return only when the conversation has been completed. This will not exempt a student from knowing the material presented during that time, however.

Responses to e-mail will be made within 48 hours. Students should assume a message was not received if there has been no reply within this time and resend.

Late Assignment Policy:

Late assignments will only be accepted with a documented or valid reason with arrangements made as soon as possible. Exceptions to this policy will be made on a case-by-case basis and may be subject to points deducted from the grade. The instructor reserves the right to refuse late work.

Make-up Exam Policy:

Only for unexpected emergencies on a prearranged basis for exams. No make-ups will be given for quizzes.

Withdrawal Policy:

Students are responsible for withdrawing from the course if they decide not to complete the course.

College Policies and Web Information

Academic Dishonesty

Academic dishonesty includes the following actions, as well as other similar conduct aimed at making false representation with respect to the student's academic performance:

- (1) Cheating on an exam,
- (2) Collaborating with others on work to be presented, if contrary to the stated rules of the course,
- (3) Submitting, if contrary to the rules of the course, work previously submitted in another course,
- (4) Knowingly and intentionally assisting another student in any of the above actions, including assistance in an arrangement whereby work, classroom performance, examination, or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed,
- (5) Plagiarism.

Please refer to the **Palm Beach State College Student Handbook** (www.palmbeachstate.edu/current for link to the student handbook).

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Classroom Etiquette and Student Behavior Guidelines

Students will demonstrate respect for professors and fellow students. Behavior that is disruptive to a positive learning environment reported by the professor will result in a warning on the first instance; the second instance might result in expulsion from the course or campus.

Computer Competency Component

Each student will, to the satisfaction of the professor, demonstrate a fundamental understanding of basic computer operations through various professor-determined exercises and/or assignments.

Disability Support Services

Students with disabilities are advised, in compliance with federal and state laws, that accommodations and services are available through the office of Disability Support Services (DSS). It is the student's responsibility to contact Disabled Student Services Advisors and to submit appropriate documentation prior to receiving services. Please see the website at www.palmbeachstate.edu/current for web address for Disability Support Services.

Eating, Drinking and Smoking

Eating and drinking are confined to areas designated on the campus. Smoking is not permitted in any College building and only in areas designated at each campus.

Final Course Grade Appeal

The evaluation of academic work is the responsibility of the faculty member/instructor. The method for assigning the final course grade is established by the faculty member/instructor. Per Board Rule 6Hx-18-3.191, faculty/instructors shall communicate the grading policy of the course to their students in writing. If this policy changes during the term, students should be notified of any changes in writing. The method to determine final course grades must be given to students in a course syllabus at the beginning of the class. Should a student have a question about a final course grade, please follow the procedures as outlined in the student handbook: www.palmbeachstate.edu/current.

Mid-Term Grade Reporting

Within one week after the close of the mid-term grading period, mid-term grades will be made available to all students for each class by either written notification or individual conference.

Student Responsibility Policy

When a student attends the College, s/he becomes subject to its jurisdiction. Students are expected to conduct themselves in a responsible manner, in all areas of campus life. By enrolling, they pledge to obey the rules and regulations of the College and are responsible for observing all College policies and procedures as published in the student handbook, the College catalog and other College publications. The student will be responsible for preparing for class, participating in class, and completing assignments on time.

Palm Beach State Websites of Interest

Please see this web page (www.palmbeachstate.edu/current) for a list of web addresses for students.

Withdrawal Policy for Individual Courses

The last day to withdraw from a College course with a "W" grade in this course is July 11, 2016 It is the responsibility of the student to use the PantherWeb system or visit a campus Registrar's office to withdraw. An official withdrawal entitles the student to a grade of "W" in the class.

Department Contact Information

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Job Title: Associate Dean	