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**COURSE PREFIX/NO:** EET 273  
**COURSE TITLE:** Electronics Senior Project  
**LEC HRS/WEEK:** 0.0  
**LAB HRS/WEEK:** 3.0  
**CREDIT HRS/SEMESTER:** 1.0

[Distance Learning Attendance/VA Statement](#)  
[Textbook Information](#)

**COURSE DESCRIPTION:**

This course includes the construction and testing of an instructor-approved project.

**COURSE COMPETENCIES:**

Upon successful completion of this course, the student should be competent to perform the following tasks:

- Analyze, design, construct, and test an electronic project
- Demonstrate the ability to present technical data to an audience both orally and in writing
- Document the steps necessary to troubleshoot their project.
- Demonstrate the ability to develop and follow a project plan.
- Demonstrate the ability to work in teams.

**MINIMAL STANDARDS/PERFORMANCE OBJECTIVES:**

The student will (to the satisfaction of the instructor):

- Select a project and submit a proposal for the project showing the intended result, the parts
- list/price, the timeline for completion and the electronic topics needed to complete the
- Analyze, design, construct, and test the electronic project.
- Demonstrate the ability to present technical data to an audience both orally and in writing
- Document the steps necessary to troubleshoot their project as part of his written documentation.
- Demonstrate the ability to develop and follow a project plan.
- Demonstrate the ability to work in teams.

The final product must be a working product.

**COURSE REQUIREMENTS:**

Students are responsible for attaining competencies through completion of the following course requirements:

**ATTENDANCE:**

Students are responsible for attending all scheduled meetings in the courses in which they are enrolled **until they have completed all course requirements**. Students are responsible for all material covered and for all assignments made in all classes. Students who are absent from a class more than 10 percent of the hours assigned may be withdrawn. A grade of “W” is assigned if the student’s last date of attendance is on or before mid-term. If a student is withdrawn from a course and the last date of attendance is after mid-term, the grade assigned may be a “W” or a

“WF.” The attendance policy also applies to students enrolled in telecourses or online courses. “Attendance” is established for telecourses through contacting the instructor, turning in assignments, and completing tests. “Attendance” is established for online courses by contacting the instructor, logging into the course on a regular basis, and completing assignments and tests.

### **STUDENT CONDUCT:**

York Technical College adheres to the South Carolina TECH Student Code and Grievance Procedure, approved by the State Board for Technical and Comprehensive Education on November 13, 2003. (Copies of this *Student Code and Grievance Procedure* are available in the College Library, the Industrial & Engineering Technologies Division Offices in Building C and D, the Business, Computer, Arts & Sciences Division Office in Building A, the Health & Human Services Division Office in Building A, the Student Government Association Office in the Student Center, in the Student Services Building., and on the College’s website.) It is the policy of York Technical College that the *Student Code and Grievance Procedure* shall govern conduct and guarantee due process for students enrolled at the College. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship. The regulations which follow are significant and students are expected to become familiar with them:

1. The College reserves the right to decline admission, to suspend, or to require the withdrawal of anyone whose conduct is disruptive to the educational process.
2. The possession or consumption of alcoholic beverages or other drugs by a student while on College property is prohibited and is grounds for dismissal. York Technical College does not sanction the use of alcoholic beverages at any event involving students of the College.
3. Children are not permitted in classrooms, shops or labs. Children should not be left unattended at any time on campus.
4. Any student caught cheating or involved in any other academic dishonesty will be given a grade of zero and will be subject to further disciplinary action.
5. All students should display a current parking decal on their vehicle and abide by the parking regulations provided.
6. Students are not permitted to eat or drink in the library or labs. Eating and/or drinking in classrooms is left to the discretion of the instructor. Smoking is not permitted in buildings.

### **COMPLETING ASSIGNED HOMEWORK AND TESTS.**

#### **EVALUATION STRATEGIES/GRADING:**

The following scale will be the standard:

#### **Grade Score**

A 90 - 100

B 80 - 89

C 70 - 79

D 60 - 69

F below 60

Rubrics for grading each part will be given to the student the first day of class

Final grades will be determined as follows:

Project documentation	10%
Proposal	
Timeline	
Parts list	
Project Content	20%
Electronic Topics Covered	
Oral presentation	20%
Written documentation	20%
Project Demonstration	10%
Work Ethics	20%
Timeliness	
Quality	
Professional ethics	
Creativity	
Teaming	

**ENTRY-LEVEL SKILLS:**

The student should have completed the following courses: ENG 101, EET 111, EET 112, EET 141, EET 145, CPE 107, and CPE 207 or their equivalent. It is recommended that the student have completed EET 231 or EET 243 or equivalent.

**PREREQUISITES:** Permission by EET department

**CO-REQUISITES:** None

**Disabilities Statement:** Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.