

**Helen and John C. Hartmann Department of Electrical and Computer Engineering
New Jersey Institute of Technology
Course Syllabus**

Course Number and Title: ECE 101-002 Introduction to Electrical & Computer Engineering

Credits: 0 credits, 1 contact hour (0;0;1), Required course

Prerequisite: None

Co-requisite: None

Text book: None required

Instructor: Ryoko Mathes
E-mail: mathes@njit.edu

Office Hours: By Appointment

ECE 101 Catalog Description: This course familiarizes students with various disciplines, career opportunities and curricula in electrical and computer engineering. Invited speakers include faculty and industrial representatives.

Course Specific Learning Outcome (CLO): Upon completion of this course, students will:

1. Be exposed to a variety of career options available for electrical and computer engineers
2. Understanding of impact of ECE profession in the changing world
3. Understand the importance of professional skills, such as public speaking, writing, and communication skills in the professional careers
4. The understanding of curriculum and requirements of the ECE curriculum

Relevant student outcomes (ABET criterion 3):

3. an ability to communicate effectively with a range of audiences. (CLO 3)
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. (CLO 1, 3)

Assignments: Students are required to complete all posted assignments via Canvas. Additionally, students will be required to work in groups for in-class presentations.

Grading: The course grade will be “S,” Satisfactory, or “U,” Unsatisfactory based on attendance and assignments.

- **Attendance is mandatory. Missing class is grounds for the unsatisfactory grade**
- All excused absences will need to be reported to the Dean of Students Office
- **All assignments must be submitted to receive a satisfactory grade.** Assignments must be submitted on time. *No late assignments will be accepted.*

The NJIT Honor Code is strictly enforced in this course.