Syllabus
Spring 2020 - April 7 – May 7, 2020
Instructor: Carmen S. Menoni
e-mail: carmen.menoni@colostate.edu
tel: (970) 491-8659
Class Times: TR, 9:30am - 10:50am - ONLINE CLASS – PARTICIPATION IS MANDATORY
Office: Engineering C 101E
Office Hours: By appointment. Send an email to Prof. Menoni to Carmen.Menoni@colostate.edu to set up an appointment
Text: "Semiconductor Physics and Devices"
Donald A. Neamen, Fourth Edition (Chapters 8-14)
Course description: Quantitative analysis of electric field, carrier and current distributions in MOSFETs and bipolar junction transistors; scaling, non-idealities.
Course Credits: 1
Prerequisites: ECE 331 with a C or better; ECE 471B or concurrent registration
Grading and Exams:
  Quizzes 40%
  Class presentations 30%
  In class homework discussion 30%
Homework will be assigned once a week. It will not be graded. There will be discussion of the homework in class. Each student will discuss her/his solution to one problem.
Quizzes and Final Exam: Open book, will take place via CANVAS. Prof. Menoni will provide a formula sheet.
Material for the class will be stored in CANVAS
Class Presentations: parts of the chapters to be discussed will be assigned to individual students that will put together a power point presentation to discuss the assigned topic.