

INEL-6079: INSTRUCTOR INFORMATION SHEET

1. Course Information:

Course Title: Advanced IC Design Techniques (INEL-6079)
Section: **036** (Tue, Thu 9:00AM – 10:15AM)
Room: 210B Stefani Building (ICDL)

2. General Information:

Instructor: *Manuel Jiménez*
Title: Professor
Office: 222B Stefani Building
Phone: (787)832-4040 Ext. 3780
Office Hours: **Tue, Wed, & Thu 2:30PM – 4:00PM**
Outside the above strictly by appointment.
E-mail: mjimenez@ece.uprm.edu
URL: <http://www.ece.uprm.edu/~mjimenez/INEL6079>

3. Requirements:

All students are expected to:

- Attend to all lectures. Attendance is compulsory.
- Complete all assigned readings.
- Complete and turn-in all assignments and project on time.

4. Teaching Strategy:

The course will consist mainly of lectures and presentations. Presentations will be offered either by the professor, students, or guest speakers. Students will be assigned supplementary reading material and in occasions homework problems to be individually solved and turned in to the professor for grading. Major emphasis will be made on the analysis of noise sources in analog and digital circuits and systems, as well as in topics related to the estimation and reduction of power dissipation in digital and analog circuits. IC- and system-level simulations will be required in some cases, using tools such as SPICE or MATLAB.

5. Grading Items

Evaluation will be based on two exams, assigned readings, homework problems, and a term paper to be presented in class. The weight distribution of each item is outlined below:

Midterm :	25%
Final Exam:	25%
Homework & Readings:	20%
Term Paper:	20%
Presentation:	10%

Total:	100%

6. Grading Scale

Final grades will be assigned according to the following scale:

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

7. Important Dates

Readings and homework: To be announced

Midterm Exam: **March 15, 2012**

Term Paper: **May 1, 2012**

Final Presentations: **May 8, 2012**

Final Exam: Assigned by registrar office

8. Late Homework Policy

Assigned readings and homework will be due typically one week after delivery, at the beginning of the class period (unless otherwise stated). Late homework will be applied following penalties:

- 10% the next day.
- 25% the second day.
- 50% the third day.
- 100% after the third day.

9. Student Assistance

Introductory tutorials to analysis tools will be offered when deemed necessary. All students will be assigned ICDL accounts.

10. General Rules

- Attendance will be monitored in each class.
- Make-up for exams will be furnished only upon “valid excuse”. Your professor reserves the right to determine what is a “valid excuse”.
- Assignments late for over 3 days will have null value (see penalty table).
- No radios, tape recorders, or any other form of audio or video equipment will be permitted in the classroom at any time.
- Cellular phones and pagers should be in quiet mode in the classroom and OFF during exams. No answering of calls will be allowed in the classroom.
- Dishonesty of any kind will be reported to the pertinent authorities for disciplinary sanctions.
- Smoking is not permitted in any area other than those areas designated for smoking.