

**University of Puerto Rico
Mayagüez Campus
College of Engineering**

B. Instructor Information Sheet

1. General Information:

Instructor: Nayda G. Santiago Santiago
Title: Associate Professor
Office: S-413
Phone: 832-4040 Ext. 3082
Office Hours: MWF, 8:00am to 9:30am
E-mail / URL: Nayda.Santiago@ece.uprm.edu /<http://www.ece.uprm.edu/~nayda>
Course URL: <http://www.ece.uprm.edu/~nayda/Courses/Icom4215Fall12012>

2. Course Description:

Course Number: ICOM 4215
Course Title: Computer Architecture and Organization
-- See item number 2 in Course Syllabus Section for Course Description.

3. Purpose:

The purpose of the course is to introduce students to the Computer Architecture concepts and design issues. Students will learn to design a CPU.

4. Requirements

All students are expected to:

- Complete all lessons.
- Do all assigned readings and related homework.
- Participate in class.
- Work in teams.
- Come to class all the time and on time.
- Pass all tests, collaborate in projects, work on homework, and pass all quizzes to receive credit for the course.

5. Laboratory/Field Work (If applicable), General Rules:

No laboratory project or fieldwork is required.

Radios, tape recorders, and other audio or video equipment are not permitted in the classroom at any time.

Cellular Phones and pagers should be in quiet mode in the classroom and OFF during exams.

Smoking is not permitted in any area other than those areas designated for smoking.

Lab workshops are necessary if the student does not have the language/simulation/programming environments required to complete the assigned work.

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6. Instructional Strategy:

The course will consist mainly of lectures and design projects.

Students will be assigned problems as homework for their own benefit. Not all problems will be collected for grading, however, failure to complete homework problems will adversely affect students skills to master the material. There will also be homeworks to collect in class. Quizzes will test the student skills. Quizzes may be unannounced.

Teamwork is expected. Groups will be assigned to work on a homework. One student from the group will be selected to answer a question and the evaluation will be based on this answer. In teamwork exercises all students from a particular group will have the same grade. Partners will be assigned randomly.

Projects will be assigned. Students are expected to learn a HDL language on their own. Oral Exams (HH) will be used to evaluate the projects. If the project does not work, the grade of the oral exam is zero (0).

All knowledge from the Micro I (Inel 4206), Logic Circuits (Inel 4205), Algorithms and Computer Programming (Inge 3016), Electronics I (Inel 4201), and Analysis I (INEL 3105) is expected to be known by the student.

All assigned work will count towards the final grade.

8. Evaluation/Grade Reporting:

Evaluation will be based on two midterm exams, three projects, quizzes and homework, attendance and participation, and a final exam weighted as indicated below:

| | |
|------------------------------|-----|
| Midterm 1 | 15% |
| Midterm 2 | 15% |
| Final Exam | 15% |
| Project 1 | 15% |
| Project 2 | 10% |
| Project 3 | 15% |
| Quizzes & Hwks | 5% |
| Attendance and Punctuality | 5% |
| Discussion and participation | 5% |

Total: -----
100%

Quizzes and homeworks will count towards one grade. We will not have makeup quizzes. There will be a quiz evaluating the material taught from the date of exam 2 to the end of class.

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 |

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9. Deadlines:

Important dates:

Exam 1: Sept 26, 2012

Project 1: Oct 10, 2012

Exam 2: Oct 24, 2012

Project 2: Oct 31, 2012

Project 3: Nov 21, 2012

Final Exam: To be arranged by registrar's office

All exams will be held during the class time.

10. Attendance and Behavior:

- Attendance will be daily monitored in class.
- Students are not allowed to leave the classroom during class except in exceptional circumstances.
- It is the student responsibility to ensure signing-up everyday the attendance list to be circulated by the professor at the beginning of each class.
- Approximately, every 15 lectures an attendance report will be generated.
- A student with more than 3 (three) missed lectures in a reporting period will be considered not to be regularly attending class.
- Make-up for exams will be furnished only upon "valid excuse". Your professor reserves the right to determine what is a "valid excuse".
- No baseball caps allowed during quizzes or exams.
- No "special" projects will be given to anyone to improve grades or for any other reason.
- Students are not allowed improper behavior.
- Honesty is expected from all students. If a student is caught cheating during an exam, quiz or homework, this clearly demonstrates that he or she is not capable of producing individual intellectual property material. Plagiarism is also a form of dishonesty. Therefore the student will face the following sanctions:
 - The grade will be zero in the piece of work where cheating/plagiarism was found.
 - The department will be notified of the student name and evidence of cheating so the department determines if disciplinary action should be taken to the "Junta de Disciplina". If there is a pending case at the "Junta de Disciplina", the student will be awarded an incomplete with F until the "Junta de Disciplina" decides the case.

12. Instructor Responsibilities (If applicable):

Your instructor will provide handouts for material discussed in class not covered in the textbook.

13. Course Outline And Schedule:

--See item 11 in Course Syllabus Section

14. Additional References:

--See item 4 in Course Syllabus Section