B. Instructor Information Sheet

1. General Information:

Instructor: José Navarro
Title: Instructor
Office: S-114B
Office Hours: MWF 8:30-9:30am
Phone (787) 832-4040 xt. 3610-4006
E-Mail / URL: jnavarro@ece.uprm.edu

2. Course Description:

Course Number: INEL 4206
Course Title: Microprocessors
-- See item number 2 in Course Syllabus Section for Course Description

3. Purpose:

This course is open to majors in Electrical and Computer Engineering. The purpose of the course is to provide each student an understanding of the general architecture and organization of microprocessors. This includes the study of assembly language using INTEL microprocessors, as well as notions of interfacing microprocessors with peripheral devices.

4. Course Goals:

After completing the course, each student should be able to understand the internal structure of microprocessor, its operation, and to design and implement assembly language programs. In addition, the student should be able to design simple microprocessor interface for memory and I/O devices.

5. Requirements:

All students are expected to:
- Complete all lessons
- Do all assigned readings and related homework
- Come to class all the time and on time
- Pass all the tests, quizzes and assigned works to receive credit for the course

6. Laboratory/Field Work (If applicable):

Approximately three (3) main projects for grade will be assigned. Two assembly language programs and a circuit design related to microprocessor based systems. Students are expected to make additional works related to the course.
7. **Instructional Strategy:**
The course will consist mainly of lectures. Students will be assigned projects for grading both on software and hardware design. Major emphasis will be made on the development of assembly language programs.

8. **Evaluation/Grade Reporting:**
Evaluations will be based on partial exams, a final exam and projects weighted as indicated below.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
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<tbody>
<tr>
<td>Exams</td>
<td>45%</td>
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<tr>
<td>Final</td>
<td>20%</td>
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<tr>
<td>Projects</td>
<td>35%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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</tbody>
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Final grades will be assigned according to the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>F</td>
<td>&lt;60</td>
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<tr>
<td>D</td>
<td>&lt;70</td>
</tr>
<tr>
<td>C</td>
<td>&lt;80</td>
</tr>
<tr>
<td>B</td>
<td>&lt;90</td>
</tr>
<tr>
<td>A</td>
<td>100</td>
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9. **Deadlines:**
Deadlines for the exams will be announced at least one week ahead. Deadlines for projects will be announced during the semester. Works are due at the beginning of the class (unless otherwise stated). Late works will be accepted under the following penalties:

- 10% the same day after the class is over
- 25% the next day
- 15% for each additional day

10. **Student Assistance (If applicable):**
An introductory tutorial to MS-Macro Assembler will be available to the students. The tutorial will be in the form of a self study guide. Some tutorials on advance features on LogicWorks will be provided.

11. **Attendance and Behavior:**
- Attendance will be daily monitored on class.
- It is the student responsibility to ensure signing-up everyday the attendance list (if used) to be circulated by the professor at the beginning of each class.
- Monthly 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” and when the make-up will be administered. Generally during the final exams period.
• Radios, tape recorders, cameras and other audio or video equipment are not permitted in the classroom without the authorization of the professor.
• Taking pictures in the classroom without the professor authorization is prohibited
• Cellular phones should be in quiet mode in the classroom
• Use of computers, pdas and similar devices in the classroom requires the professors authorization
• Smoking is not permitted in any area other those designated for smoking.

12. **Instructor Responsibilities (If applicable):**
Your instructor will provide handouts or other means to obtain complementary material discussed in class but not covered or included in the textbook when he considers it necessary.