

University of Puerto Rico
 Mayagüez Campus
 College of Engineering
 Department of General Engineering
 Master of Science and Engineering

Course Syllabus

1. General Information:

Alpha-numeric codification: CIIM 6996
 Course Title: MASTER'S PROJECT
 Number of credits: 1-3

2. Course Description:

English: Design and development of a project in materials science and engineering. A final written report is required.

Spanish: Diseño y desarrollo de un proyecto en ciencia e ingeniería de materiales. Se requiere un informe final escrito.

3. Pre/Co-requisites and other requirements:

Graduate student with authorization of the Program Coordinator.

4. Course Objectives:

By the end of the course students will:

Demonstrate ability to conduct independent planing of project schedule and completion of work plan in a distinctive topic related to Materials Science and Engineering or connected fields.

Demonstrate ability to conduct literature searches and analisis of previous works.

Strengthen their oral and written communication skills to document and present their final project report.

5. Instructional Strategies:

conference discussion computation laboratory

seminar with formal presentation seminar without formal presentation workshop

art workshop practice trip thesis special problems tutoring

research other, please specify: Independent work with supervision from the student's engineering project advisor.

6. Minimum or Required Resources Available:

No specific resources are required.

7. Course time frame and thematic outline

Outline	Contact Hours
Comprehensive study of a specified materials science problem selected so as to integrate the knowledge acquired in the graduate program of study. This project fulfills one of the terminal requirements of the Master of Engineering program, and will be governed by the norms established for this purpose. Topics of the engineering project will depend on the student's area of interest.	
Total hours: (equivalent to contact period)	

8. Grading System

Quantifiable (letters) Not Quantifiable

Standard Curve:

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

9. Evaluation Strategies

	Quantity	Percent
<input type="checkbox"/> Exams		
<input type="checkbox"/> Final Exam		
<input type="checkbox"/> Short Quizzes		
<input checked="" type="checkbox"/> Oral Reports		40
<input type="checkbox"/> Monographies		
<input type="checkbox"/> Portfolio		
<input checked="" type="checkbox"/> Projects	1	60
<input type="checkbox"/> Journals		
<input type="checkbox"/> Other, specify:		
TOTAL:		100%

10. Bibliography:

The following books are recommended to prepare projects, both written and oral:

Adamy, D. (2000). *Preparing and delivering effective technical presentations*. Boston: Artech House. There is no newer version. [Available at the Circulation Collection (T10.5 . A33 2000), UPRM General Library]

Glatthorn, A. A., Joyner, & Glatthorn, A. A. (2005). *Writing the winning thesis or dissertation: A step-by-step guide*. Thousand Oaks, Calif.: Corwin Press. [Available at the Reference Collection (LB2369 .G56 2005), UPRM General Library]

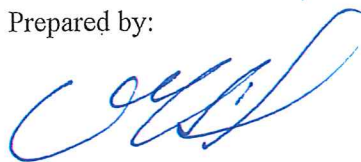
Slade, C. (2003). *Form and style: Research papers, reports, theses* (12th ed.). Boston: Houghton Mifflin Co. There is no newer version. [Available at the Reference Collection (LB2369 .C33 2003), UPRM General Library]

Literature reviews available in: *Annual Reviews* [Available online via Annual Reviews, UPRM General Library]

Theses and dissertations available in: *ProQuest Dissertations & Theses Database* [Available online via ProQuest, UPRM General Library]

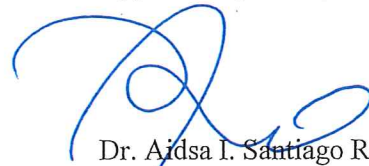
11. According to Law 51: Students will identify themselves with the Institution and the instructor of the course for purposes of assessment (exams) accommodations. For more information please call the Student with Disabilities Office which is part of the Dean of Students Office at (787) 265-3864 or (787) 832-4040 extensions 2040 or 3372.

Prepared by:



Dr. Marcelo Suárez
Coordinator

Approved by:



Dr. Aidsa I. Santiago Román
Department Chair