

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 6000
Course Title: MASTER'S THESIS
Number of credits: 1-6

2. Course Description:

English: Research and preparation of a thesis under the supervision of a faculty member.

Spanish: Investigación y preparación de una tesis bajo la supervisión de un miembro de la facultad.

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 research in a distinctive topic related to MSE or connected fields.
- Strengthen their skills to conduct effective scientific literature searches.
- Enhance their critical and analytical skills to produce original contributions to the field of MSE.

Strengthen their research and writing skills to document and report scientific findings.

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:

6. Minimum or Required Resources Available:

No specific resources are required.

7. Course time frame and thematic outline

Outline	Contact Hours
Depends upon the Master of Science's student's project.	
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 type="checkbox"/> Oral Reports		
<input type="checkbox"/> Monographies		
<input type="checkbox"/> Portfolio		
<input type="checkbox"/> Projects		
<input type="checkbox"/> Journals		
<input checked="" type="checkbox"/> Other, specify: Written thesis	1	50
Oral examination	1	50
TOTAL:		100%

10. Bibliography:

The following books are recommended to prepare for thesis writing and defense:

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]

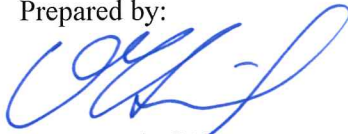
Slade, C. (2003). *Form and style: Research papers, reports, theses* (12th ed.). Boston: Houghton Mifflin Co. There is no newer version. [Available at the Reference Collection (LB2369 .C33 2003), UPRM General Library]

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:



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Approved by:



Dr. Aida I. Santiago Román
Department Chair

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