



University of Puerto Rico  
 Mayagüez Campus  
 College of Engineering  
 Department of Mechanical Engineering  
 M.S./Ph.D. in Mechanical Engineering



## Course Syllabus

<b>1. General Information:</b>	
Alpha-numeric codification: INME 6998 Course Title: Engineering Project Number of credits: 3-6 Contact Period: Six contact hours per week	
<b>2. Course Description:</b>	
English: Comprehensive study of a mechanical engineering problem selected to integrate the knowledge acquired in the graduate program of study. This project fulfills one of the requirements of the Master of Engineering Degree (ME) and will be governed by the norms established for the Graduate School for this purpose.	
Spanish: Estudio comprensivo de problemas en Ingeniería Mecánica especialmente seleccionados para integrarse a los conocimientos adquiridos en el programa de estudios graduados. Este proyecto cumple con uno de los requisitos conducentes al grado de Maestría en Ingeniería Mecánica (ME) y será dirigido por las normas establecidas por la escuela graduada para este propósito.	
<b>3. Pre/Co-requisites and other requirements:</b>	
Pre-requisite: Authorization of the Director of the Department	
<b>4. Course Objectives:</b>	
Carrying out independent project in a unique topic related to mechanical engineering	
<b>5. Instructional Strategies:</b>	
<input type="checkbox"/> conference <input checked="" type="checkbox"/> discussion <input type="checkbox"/> computation <input type="checkbox"/> laboratory  <input type="checkbox"/> seminar with formal presentation <input type="checkbox"/> seminar without formal presentation <input type="checkbox"/> workshop  <input type="checkbox"/> art workshop <input type="checkbox"/> practice <input type="checkbox"/> trip <input type="checkbox"/> thesis <input checked="" type="checkbox"/> special problems <input type="checkbox"/> tutoring  <input checked="" type="checkbox"/> research <input type="checkbox"/> other, please specify:	
<b>6. Minimum or Required Resources Available:</b>	
Materials, equipment, and physical facilities needed to fulfill the course objectives.	
<b>7. Course time frame and thematic outline</b>	
<b>General Topics</b>	<b>Contact Hours</b>
Depends on the professor	45
<b>Total hours: (equivalent to contact period)</b>	<b>45</b>
<b>8. Grading System</b>	
<input checked="" type="checkbox"/> Quantifiable (S/NS) <input type="checkbox"/> Not Quantifiable	

## 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		100
<input type="checkbox"/> Monographies		
<input type="checkbox"/> Portfolio		
<input type="checkbox"/> Projects		
<input type="checkbox"/> Journals		
<input type="checkbox"/> Other, specify:		
<b>TOTAL:</b>		<b>100%</b>

## 10. Bibliography:

### Textbook:

Jesson, Jill, Lydia Matheson, and Fiona M Lacey. 2011. *Doing Your Literature Review: Traditional and Systematic Technique*. New York: Sage Publications. [Available at the Circulation Collection (Q180.55 .M4 J477 2011), UPRM General Library]

### **Other resources:**

1. Electronic resources available through the Library's website:  
<http://www.uprm.edu/library/cre/listdbsp.php?l=1&st=0&topic=77>.

## **11. Law 51: The Comprehensive Educational Services Act for People with Disabilities:**

States that after identifying with the instructor and the institution, the student with disabilities will receive reasonable accommodation in their courses and evaluations. For more information, contact the Department of Counseling and Psychological services at the Office of the Dean of Students (Office DE 21) or call 787-265-3864 or 787-832-4040 x 3772, 2040 and 3864.

## **12. Academic Integrity**

The University of Puerto Rico promotes the highest standards of academic and scientific integrity. Article 6.2 of the UPR Students General Bylaws (Board of Trustees Certification 13, 2009-2010) states that academic dishonesty includes, but is not limited to: fraudulent actions; obtaining grades or academic degrees by false or fraudulent simulations; copying the whole or part of the academic work of another person; plagiarizing totally or partially the work of another person; copying all or part of another person answers to the questions of an oral or written exam by taking or getting someone else to take the exam on his/her behalf; as well as enabling and facilitating another person to perform the aforementioned behavior. Any of these behaviors will be subject to disciplinary action in accordance with the disciplinary procedure laid down in the UPR Students General Bylaws. —

## **13. Certification 06-43 of the Academic Senate**

"The academic guidelines for offering online courses," defines: Traditional face-to-face courses are those that have less than 25% of the course's regular contact hours via the Internet. Therefore, a three-credit course will be considered "face to face" if, of the 45 hours of regular contact, 11 or less are taught via the Internet. According to certification 06-43 of the Academic Senate, a course may include up to 25% of its total contact hours via the Internet. The objective of this is so that all professors have this alternative in the case of any unscheduled eventuality.

**14. Sexual Harassment: Certification 130-2014-2015 states:**

Sexual harassment in the workplace and in the study environment is an illegal and discriminatory act and is against the best interests of the University of Puerto Rico. All persons who understand they have been subject to acts of sexual harassment at the University of Puerto Rico may file a complaint and request that the institution investigate, where necessary, and assume the corresponding action by the university authorities. If the complainant is a student, he or she must refer his or her complaint to the Office of the Student Ombudsperson or that of the Dean of Students.

*Revised: February, 2019*