

University of Puerto Rico
 Mayagüez Campus
 College of Engineering
 Department of Electrical and Computer Engineering
 Ph.D. in Computing Information Sci Eng

Course Syllabus

1. General Information:	
Alpha-numeric codification: ICOM 6117 Course Title: Ingeniería de Usabilidad Number of credits: 3 Contact Period: 3 horas contacto por semana	
2. Course Description:	
English: Fundamental concepts of usability. Usability components and attributes: learning- bility, efficiency, memory-ability, error reduction, and satisfaction. Study of usability evaluation techniques and methods. Design and implementation of usability tests.	
Spanish: Conceptos fundamentales de ingeniería de usabilidad. Componentes y atributos principales de la usabilidad: facilidad de aprendizaje, eficiencia, facilidad de recordar, reducción de errores y satisfacción. Estudios de técnicas y métodos de evaluación de usabilidad. Diseño y realización de pruebas de usabilidad.	
3. Pre/Co-requisites and other requirements:	
4. Course Objectives:	
Be sure to include measurable objectives, centered on the students, and what they should be able to accomplish after completing the course.	
5. Instructional Strategies:	
<input type="checkbox"/> conference <input 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 type="checkbox"/> special problems <input type="checkbox"/> tutoring <input type="checkbox"/> research <input type="checkbox"/> other, please specify:	
6. Minimum or Required Resources Available:	
Materials, equipment, and physical facilities needed to fulfill the course objectives.	
7. Course time frame and thematic outline	
Outline	Contact Hours
Introduction to Usabilidad	
Usability Attributes	
Usability Engineeting Lifecycle	
Task Analysis	
GOMS	
Cognitive Walkthrough	
Design Methods	
Prototyping	

Usability Testing Methods	
Usability Assessment Methods	
Total hours: (equivalent to contact period)	

8. Grading System

Quantifiable (letters) Not Quantifiable

9. Evaluation Strategies

	Quantity	Percent
<input type="checkbox"/> Exams		
<input type="checkbox"/> Final Exam		
<input checked="" type="checkbox"/> Short Quizzes		30%
<input checked="" type="checkbox"/> Participación		5%
<input type="checkbox"/> Monographies		
<input type="checkbox"/> Portfolio		
<input type="checkbox"/> Projects		
<input type="checkbox"/> Journals		
<input checked="" type="checkbox"/> Other, specify: Homework & Project		65%
TOTAL:		100%

10. Bibliography:

Author, A., and Author, B. (20XX) The Book's Title. City, State: Publisher. Include the textbook as the first bibliography. Nothing older than 5 years. (Justify otherwise)

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 (Chemistry Building, room 019) at (787)265-3862 or (787)832-4040 extensions 3250 or 3258.