

University of Puerto Rico
 Mayagüez Campus
 College of Engineering
 Department of Electrical and Computer Engineering
 Bachelor of Science in Electrical Engineering

Course Syllabus

1. General Information:	
Alpha-numeric codification: ICOM 4995	
Course Title: Engineering Practice for COOP Students	
Number of credits: Zero to six credit hours. A minimum of two work periods is required for accreditation of the course, one of which must be a semester.	
Contact Period: Depends on the assignment	
Elective in ICOM	
2. Course Description:	
English: Practical experience in computer engineering in cooperation with private industry or government to be jointly supervised by the academic department, the Co-op Program Coordinator, and an official from the cooperating organization.	
Spanish: Experiencia practica en Ingenieria de Computadoras en cooperacion con la industria privada o gobierno a ser supervisada en conjunto por el departamento academico, el coordinador del programa COOP y un oficial de la organización cooperando.	
3. Pre/Co-requisites and other requirements:	
Consent of the Director of the Department.	
4. Course Objectives:	
Students will compare and contrast the theoretical aspects of computer engineering with the real world practice. They will apply the fundamental concepts taught in the classroom and recognize their value in real practice. Students will experience and be exposed to the practical aspects of computer engineering design.	
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 checked="" 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:	
7. Course time frame and thematic outline	
Outline	Contact Hours
Varies with assignment	

- interpret data in a real engineering practice environment
3. Design an and analyze computer systems to meet an organizational need (c)
 4. Ability to participate and collaborate on multidisciplinary teams (d)
 5. Ability to communicate effectively in an organizational environment (g)
 6. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice (k)
 7. Prepare work progress reports and document project work. (g)

Person (s) who prepared this description and date of preparations: José Borges
Submitted by: Isidoro Couvertier, Comité Timón, October 2007