



University of Puerto Rico
Mayagüez Campus
College of Agricultural Sciences
Department of Agricultural and Biosystems Engineering



OFFICIAL SYLLABUS

**AGRICULTURAL ENGINEERING PROJECTS
INAG 4996**

Credit Hours: 2 a 4 credits	Contact Hours: Two (2) to four (4) hours per week
Prerequisites: None	Co-requisites: None
Course Description (English): Proyectos supervisados en áreas de la Ingeniería Agrícola. Se requiere un informe escrito.	
Course Description (Spanish): Supervised projects in areas of Agricultural Engineering. A written report is required.	
Learning Objectives: After completing the course, the student should be able to: a. Identify and develop a brief proposal of an agricultural engineering problem in either industry or government. b. Define the problem's scope and boundaries, design and compare feasible alternative solutions, select and apply the best alternative, and evaluate the impact of the solution. c. Submit a final report at the end of the semester. The format of the report will include a title, justification, materials and methods, results, recommendations, and references.	

Content Outline and Time Distribution:

<i>Topics to be covered</i>		<i>Contact hours</i>
I.	Introduction	1
II.	Projects selection	1
III.	Brainstorming	3
IV.	Literature Review	2
V.	Brainstorming Presentation	2
VI.	Design Selection	4
VII.	Project Development	12
VIII.	Meetings with professor	3
IX.	Final Presentation	2
X.		
XI.		
XII.		
XIII.		
XIV.		
XV.		
XVI.		
XVII.		
XVIII.		
<i>Total hours: (equivalent to course contact period)</i>		30

<i>Laboratories</i>		<i>Contact hours</i>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<i>Total hours: (equivalent to laboratory contact period)</i>		

Instructional Techniques:

- conference discussion computation laboratory
 seminar with formal presentation seminar without formal presentation workshop
 art workshop practice trip thesis special problems
 tutoring research others, please specify: Project

Learning Resources and Minimum Facilities Available or Required:

materials and equipment necessary to meet the objectives of the course

Evaluation Techniques and Relative Weight:

	Percent
<input type="checkbox"/> Exams (__% each)	
<input type="checkbox"/> Final exam	
<input type="checkbox"/> Short quizzes	
<input type="checkbox"/> Laboratory	
<input checked="" type="checkbox"/> Oral reports	20
<input checked="" type="checkbox"/> Literature Review	20
<input checked="" type="checkbox"/> Class Participation	15
<input type="checkbox"/> Final Presentation	20
<input type="checkbox"/> Written Report	25
<input type="checkbox"/> Others, specify:	
TOTAL: 100%	100%

Grading System:

- Quantifiable (letters) Not Quantifiable

Standard Curve: 90 to 100 A; 80 < 90 B; 70 < 80 C; 60 < 70 D; < 60 F

Bibliography:

Will be provided by the industry, government agency, or researcher that provides the problem.

According to Law 51:

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.

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.—

Policy Against Discrimination Based on Sex, Sexual Orientation, and Gender Identity:

The University of Puerto Rico prohibits discrimination based on sex, sexual orientation, and gender identity in any of its forms, including that of sexual harassment. According to the Institutional Policy Against Sexual Harassment at the University of Puerto Rico, Certification Num. 130, 2014-2015 from the Board of Governors, any student subjected to acts constituting sexual harassment, may turn to the Office of the Student Ombudsperson, the Office of the Dean of Students, and/or the Coordinator of the Office of Compliance with Title IX for an orientation and/or formal complaint.

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.

Certification 06-43 of the Academic Senate states, "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 16-43 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.