

Universidad de Puerto Rico
Colegio de Agricultura y Artes Mecánicas
SENADO ACADEMICO
Mayagüez, Puerto Rico

Certificación Núm. 68-10

Yo, Gloria A. Viscasillas, Secretaria del Senado Académico del Recinto Universitario de Mayagüez de la Universidad de Puerto Rico, CERTIFICO:

Que en reunión ordinaria celebrada el día 27 de junio de 1968 este organismo APROBO, para su inclusión en el Catálogo, los siguientes cursos:

FACULTAD DE AGRICULTURA

Departamento de Horticultura

Horticultura 611 - Advanced Plant Propagation. Three credits. Two lectures and one three-hour laboratory per week. Prerequisite: Hort. 401 or equivalent.

Techniques in plant propagation through embryo culture, meristematic culture in vegetative propagation, culture of explants and other advanced methods. Review of recent findings in this field.

Hort. 616 - Advanced Tropical Fruits. - Three credit hours. Three lectures per week.

A study of the problems encountered in the production of fruits of major economic importance with special emphasis on tropical conditions. The influence of stocks, varieties, planting sites, soils and ecological factors will be stressed.

Hort. 650 - Post Harvest Physiology and Manipulation of Horticultural Crops. - Three credit hours. Two lectures and one three hour laboratory period per week. Prerequisite: Bot. 322.

The physiology of maturation and ripening and the handling of horticultural crops to preserve quality and ensure storage life.

Hort. 652 - Physiology of Vegetable Crops. - Three credit hours. Three lectures per week. Prerequisite: Bot. 322.

The study of photoperiodism, thermoperiodism, deficiencies, growth substances, rooting, germination and fruit setting in each

of the major vegetable crops.

Hort. 653 - Physiology of Fruit Production. - Three credit hours. Three lectures per week. Prerequisite: Bot. 322.

The study of fruit production, including water, temperature, light, soil, and nutrition relationships, pruning, fruit setting and other growth and productivity factors.

Hort. 668. - Growth Regulators in Horticulture. Two credit hours. Two conference-discussion periods per week.

The use of growth regulators and other chemicals in the modification and alteration of natural plant processes. The application of these substances in the commercial production of fruits, vegetables, and ornamentals.

FACULTAD DE ARTES Y CIENCIAS

Departamento de Estudios Hispánicos

Español 323 - Introducción a la Literatura Brasileña Contemporánea. Tres horas-créditos. Tres reuniones semanales. Prerequisito: Español 222.

Visión panorámica de la literatura brasileña contemporánea, desde el siglo XIX hasta el presente. Examen de los escritores y obras más importantes. Conferencias, lecturas y comentarios de textos.

Español 493 - Los Temas Poéticos en la Lírica Puertorriqueña. Tres horas-créditos. Tres reuniones semanales. Prerequisito: Español 222.

Los diferentes movimientos en la lírica poética puertorriqueña y sus contactos con el mundo de la literatura. Análisis de textos, informes, discusión y conferencias.

Español 494 - La Literatura Narrativa en Puerto Rico. Tres horas-créditos. Tres reuniones semanales. Prerequisito: Esp. 222

Historia y apreciación de la novela y el cuento en la literatura puertorriqueña desde el siglo XIX hasta nuestros días. Análisis y explicación de textos, informes y conferencias.

Departamento de Geología

Geol. 321 - Geology of Puerto Rico and the Caribbean. One credit-hour. One lecture per week. Discussion of the geology, geological history and mineral resources of Puerto Rico and the Caribbean region. No previous background in geology is required.

Geol. 492 - Seminar in geology. One-credit hour. One meeting per week. Prerequisite: Geol. 202. Suitable topics in geology will be selected, readings assigned and discussed.

Geol. 553 - Sedimentary rocks. Three-credit hours. Two lectures and one-two hour laboratory per week. Prerequisite: Geol. 202

Study of the characteristics of sedimentary rocks, mineral composition, textures, structures, etc., their classification and interpretation.

Geol. 554 - Micropaleontology. Three-credit hours. Two lectures and one two-hour laboratory per week. Prerequisite: Geol. 311 or permission of Head of Department.

Foraminiferida. The living of foraminifers. Structure and morphology of the test. Paleoecology. Classification. Other fossil protozoa, conodonts. Microfossils of uncertain affinities. Ostracoda. Stratigraphy and general trends in evolution.

Departamento de Humanidades

Humanidades 481-482 - Contemporary European Philosophy. Three credit hours per semester. Three meetings per week.

A critical study of the main trends in contemporary continental European philosophy, especially in Germany, Austria, France, Italy, Spain, and the Soviet Union. After a recapitulation of the basic ideas of Kant and Hegel, the course will include a study of the main representatives of neo-Kantian, neo-Hegelianism, philosophy of life, philosophy of values, philosophy of history, logical positivism and philosophy of science, Phenomenology, neo-Thomism, dialectical materialism and Existentialism, in their influence on the whole of modern culture.

FACULTAD DE INGENIERIA

Departamento de Ingeniería Civil

Ci Eg 556 - Photo Interpretation:- Three credit hours. One lecture and two two-hour periods of discussion or laboratory per week. Prerequisite: Consent Department Chairman.

Analysis and interpretation of patterns in aerial photographs to determine soil and bedrock types, drainage properties and other necessary factors for engineering works, drainage; erosion; tone and vegetation; landforms; water laid materials; windland materials; rocks, tropical soils.

Ci Eg 563 - Elements of Ocean Engineering: - Three credit hours. Three lectures per week. Prerequisite: Ge Eg 463 and Consent of the Department Chairman. Fundamentals of wave theory; waves of small amplitude, shallow water theory.

Standing and progressing waves. The solitary wave Shoaling. Wave refraction. Basics of beach erosion; sediment motion and sorting. The beach profile. Wave energy and littoral transport. Forces on marine structures; wave forces on sea walls and on piles. Design of breakwaters.

Ci Eg 571 - Matrix Analysis of Structures: - Three credit hours. Three lectures per week. Prerequisite: Ci Eg 440 and Consent Department Chairman. Use of matrix methods in the analysis of structure; flexibility and stiffness methods.

Ci Eg 591 - Project Control and Management: - Three credit hours. Three lectures per week. Prerequisite: Consent Department Chairman. Procedures involved in the economic aspects of Civil Engineering projects with emphasis on the fundamental factors that control the cost of heavy construction; contract practices; scheduling methods; economic analysis and control; field organization and job management, case studies of highway and heavy construction projects.

El Senado Académico APROBO además la eliminación de los siguientes cursos:

Ch Eg 408 - Evaporación y Secado
Ch Eg 516 - Laboratorio de Procesos Unitarios
Ch Eg 599 - Problemas Especiales


Hort. 552 y 553

El Senado Académico APROBO la modificación del curso Español 491-492 que lee como sigue:

Español 491-492. Seminario. Una hora crédito por semestre. Dos horas semanales. Requerido de todos los estudiantes con especialización en Español.

Iniciación en los métodos de la crítica y de la investigación bibliográfica mediante el estudio de temas seleccionados por el estudiante con la aprobación del Profesor.

Y para que así conste, expido y remito a las autoridades universitarias correspondientes la presente certificación hoy día 28 de junio de 1968, en Mayagüez, Puerto Rico.


Gloria A. Viscasillas
Secretaria

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