

Universidad de Puerto Rico
Recinto Universitario de Mayagüez
SENADO ACADEMICO
Mayagüez, Puerto Rico

CERTIFICACION NUMERO 73-20

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

Que en la reunión ordinaria celebrada por este organismo el día 10 de septiembre de 1968 se aprobaron los Cursos Temporeros para el Primer Semestre 1968-69 según se desglosan en el documento adjunto.

Y para que así conste, expido y remito la presente certificación a las autoridades universitarias correspondientes, en Mayagüez, Puerto Rico a los doce días del mes de septiembre del año de mil novecientos setenta y tres.


Gloria A. Viscasillas
Secretaria

Anejo

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

INFORME

A : Senado Académico

De : Fred V. Soltero, Decano de Estudios

Sobre: Ofrecimiento de cursos con carácter temporero durante el semestre en curso

Me permito someter para vuestro conocimiento los cursos que han sido autorizados para ofrecerse con carácter temporero durante el presente semestre de acuerdo con las disposiciones aprobadas por el Senado Académico. A continuación un desglose de los mismos.

Biol. 671 - Environmental Pollution and Disturbance.

Three credit hours. Two lectures and one three hour laboratory per week.
Prerequisite: Biol. 551 (Ecology) or permission of the Director of the Department.

An ecological consideration of pollution and disturbance of the environment. The effects of industrial, domestic and other pollutants of the ecosystem. The physical, chemical and biological parameters used in pollution control and abatement. Field trips.

Geol. 101 - Materials of the Earth

Two credits hours. One hour lecture. Two hours laboratory per week.

Based primarily on laboratory investigations of problems concerned with the composition and properties of minerals and rocks and of their uses. Open for freshmen and sophomores.

Phys. 471 - Wave mechanics.

Three credit hours. Three lecture-discussions per week. Prerequisites: Physics 340 (Dynamics) and Mathematics 222 (Differential Equations) or consent of the Director of the Department.

An introduction to wave mechanics, its experimental and conceptual basis. The study of the Schroedinger equation as applied to the solution of problems in one and three dimensions. Study of elementary techniques of perturbation theory.

EI EG 457 - Switching Algebra and Circuits

Three credits hours. Three lectures periods per week.

Switching Algebra, postulates and theorems. Serie Parallel networks. Minimization methods. Multiterminal contact networks. Codes. Iterative networks and sequential circuits.

EI EG 561 - Introduction to Solid-State Electronics

Four credit hours. Three lecture recitation periods and one three hour laboratory per week.

Prerequisite: Approval of professor in charge.

This course is intended to provide a basic understanding of devices such as transistors and diodes, electron emission, photoluminescence, photoconductive, dielectric and magnetic devices. The topics discussed include the following: Atomic structure and quantum theory. Interatomic forces and crystal structures, Conduction mechanisms in semiconductors. Transport phenomena in semiconductors and metals. Theory of magnetism. Optical absorption and emission properties. Lasers and Masers. Laboratory exercises and projects related to solid-state-electronics principles and techniques.

Bi Sc. 003-004. Introducción a las Ciencias Biológicas. Tres horas crédito por semestre. Dos conferencias y un laboratorio y/o demostraciones de dos horas por semana cada semestre.

Curso que integra los principios biológicos fundamentales que se infieren al estudiar las variedades de organismos vivos y las relaciones entre las mismas.

GAV/ian

3 de septiembre de 1968