



University of Puerto Rico
Mayaguez Campus
Dean of Academic Affairs
Continuing Education Division and Professional Studies
Teacher Preparation Program



Syllabus

EDPE 3129

The use of microcomputers in the classroom

Professor: José R. Ferrer López, Ed.D.

Credits hours: 3 credits

Contact hours: 3 hours of lecture per week

Course description:

Introductory courses on the role of microcomputers in the classroom. Special emphasis will be given to the use of microcomputers in the school setting, resources that are available to the classroom teacher and how to integrate computers to teaching. Workshop experiences and special assignments will complement class discussions.

Objectives:

As a result of the activities of the course the students:

1. Identify and operate correctly the components of a computer system, and associated peripherals, as tools in the teaching process to facilitate and inspire learning and creativity (PRDES #7, INTASC #5).
2. Identify and use applications and programs for academic purposes such as word processing, database, electronic presentations, information tools, communication tools, social tools and others, to design and develop digital age active learning experiences and assessments (PRDES #7, #4, #6, INTASC #3, #4, #6).
3. Identify how to apply and integrate these programs into the school curriculum and its usefulness in education for the regular and special need student (PRDES #7, #3, #5, INTASC #1, #2).
4. Discuss the impact of technology in teaching and learning process, digital citizenship, cybersecurity, responsibility, and long life learning as professional grow and leadership (PRDES #7, #3, INTASC #6, #8).

5. Evaluate and form a critical judgment on theoretical key issues related to the use of microcomputers in education like digital divide, computer assisted learning, blended learning, eLearning, distance learning, flip classroom and others (PRDES #7, #3, INTASC #8).

6. Identify the roles of administrators, technology coordinators, teachers and students in reach the international and local standards for technology in education (PRDES #7, #5, INTASC #10).