



University of Cyprus
**Department of Electrical and
Computer Engineering**

Courses offered in English Language
Fall Semester 18-19

ECE 320 Signals and Systems II (6 ECTS)
Professor CHARALAMBOUS CHARALAMBOS

Email : chadcha@ucy.ac.cy

<http://ucy.ac.cy/dir/en/component/comprofiler/userprofile/chadcha>

Prerequisites: ECE 220 and ECE 224

Analysis of LTI single-loop feedback systems via transform techniques, and Discrete-time Fourier series, discrete-time Fourier transform, and Z transform. Time and frequency analysis of discrete-time LTI systems, sampling systems, application of continuous and discrete-time signal theory to communication systems, digital control systems, and signal processing.

ECE 325 Iterative Methods (6 ECTS)
Associate Professor PANAYIOTOU CHRISTOS

Email: christosp@ucy.ac.cy

<http://ucy.ac.cy/dir/en/component/comprofiler/userprofile/chrisp>

Prerequisite: CS 035

The course covers basic principles of optimization and focuses on iterative algorithms for solving engineering problems. Topics covered include matrices and matrix operations, system dynamics and difference equations, fast Fourier transforms (FFT) and discrete Fourier transforms (DFT), linear programming, network optimization, search algorithms, gradient-based techniques, and dynamic programming.

For more information please follow the links below

<http://www.ucy.ac.cy/ece/en/>

<http://www.ucy.ac.cy/publications/en/publications-english/annual-publications>