M E M O R A N D U M

TO:	UUPC
FROM:	Ionut Cardei, Department of Computer & Electrical Engineering and Computer Science
SUBJECT:	Proposed Changes to the Computer Science and Computer Engineering Programs
DATE:	Nov. 8, 2016

This memo presents the proposed changes to the Computer Science and Computer Engineering programs. Two new classes are added:

CAP 4110 – Mobile App Projects
This class teaches the top-down design methodology for mobile phone based application development using JavaScript. The applications integrate sensors, embedded systems, smart phones, and rely on cloud computing for data analytics. This class will become an elective for the Computer Science and the Computer Engineering undergraduate programs.

COP 4376 - Python Programming
Python is a programming language very popular in the software development industry, with a extensive support and libraries in the areas of web based services, system programming, and scientific computation. This class is an introduction to the Python programming language, with applications to practical problem solving involving data manipulation and analysis. The class will added to the list of electives for the Computer Science undergraduate program.