CE7302 - Hardware/Software Co-design

CE 7302 Hardware/Software Co-design (3 semester credit hours) Fundamental concepts in the design of complex digital systems consisting of hardware and software components. Topics include system description and modeling, efficient systems partitioning, hardware/software synthesis, compilation and behavioral optimization, embedded computing systems, telecommunications systems using general-purpose and special-purpose digital signal processors, and rapid prototyping and emulation using field programmable gate arrays. Prerequisites: CE 6301 and CE 6302 and CE 6304. (3-0) Y (2016-02-06 00:10:51)