H-Form ECE 462

A Brief Course Description		
College	Engineering	
Department/ Program	Electrical Engineering – Electronics Engineering Program	
Course Name	Computer Systems Architecture	
Course Code	ECE 462	
Year / Level	4/8	
Credit Hours	4	
Contact Hours	Lecture: 3	Lab/Tutorial: 2	Training: 0
Language	English	
Track	☐University ☐College ☐Department ☒Program	
	☐Required ☒ Elective	
Pre-requisites Course	ECE 342	
Co-Requests	-	
Course Description	Computer system organization and design, implementation of CPU datapath and control, instruction set design, memory hierarchy (caches, main memory, virtual memory) organization and management, input/output subsystems (bus structures, interrupts, DMA), performance evaluation, pipelined processors.	