**CS4341 - Digital Logic and Computer Design**

**CS 4341** Digital Logic and Computer Design (3 semester credit hours) Boolean algebra and logic circuits; synchronous sequential circuits; gate level design of ALSU, registers, and memory unit; register transfer operations; design of data path and control unit for a small computer; Input-Output interface. Credit cannot be received for both courses, **CS 4341** and (**CE 3320** or **EE 3320**). Prerequisites: (**CE 2310** or **EE 2310**) or (**CS 3340** or **SE 3340**) and **PHYS 2326**. Corequisite: **CS 4141**, (3-0) S