EEDG6307 - Fault-Tolerant Digital Systems

EEDG 6307 (CE 6307) Fault-Tolerant Digital Systems (3 semester credit hours) Advanced concepts in hardware and software fault tolerance. Topics include fault models, coding in computer systems, fault detection mechanisms, fault-tolerant routing, reconfiguration techniques, and software fault tolerance techniques such as recovery blocks, N-version programming, checkpointing, and application-level error resilience, etc. Survey of practical fault-tolerant systems. Prerequisites: EEDG 6301 and ENGR 3341 or equivalent. (3-0) R (2016-02-06 00:10:08)