SYSM6327 - Systems Reliability

SYSM 6327 Systems Reliability (3 semester credit hours) This course will provide an advanced understanding of reliability analysis of complex systems, including many of its extended analysis focus areas like availability, maintainability, and supportability (RAMS). Course analysis variables include stress under various conditions, the use of degradation data, relationships between accelerated stresses and normal operating conditions, dependency failures, repairable and non-repairable components, preventive maintenance, replacement and inspection, and accelerated life reliability models, to name a few. The course will also address important reliability metrics, and the impact of reliability in the design, development and management of organizations. Prerequisite: SYSM 6303 or OPRE 6301. (3-0) Y