

# **SYSM6301 - Systems Engineering, Architecture and Design**

[SYSM 6301](#) ([MECH 6337](#)) Systems Engineering, Architecture and Design (3 semester credit hours) Architecture and design of large-scale and decentralized systems from technical and management perspectives. Systems architectures, requirements analysis, design tradeoffs, and reliability through various case studies and multiple types of mathematical techniques. International standardization bodies, including INCOSE, engineering frameworks, processes, and tool support from both theoretical and practical perspectives. (3-0) Y