

COURSE TITLE	TE142422: Robust Control Systems Credits: 2 ELECTIVE COURSE
LEARNING OBJECTIVES	Students are able to analyze and design a robust control system.
COMPETENCY	<ul style="list-style-type: none"> • Students are able to analyze robust control systems. • Students are able to design robust control systems.
SUBJECTS	<ul style="list-style-type: none"> • System and Signal Norm • Robust Stability and Robust Performance • Mixed Sensitivity Problem • μ Analysis and synthesis
MAIN REFERENCES	<ul style="list-style-type: none"> • Doyle, Francis, Tannenbaum, Feedback Control Theory ,Macmillan Publishing, 1990 . • Zhou K., with J. Doyle, Essentials of Robust Control, Prentice Hall, 1998. • Skogestad S. and I. Postlethwaite Multivariable Feedback Control, John Wiley & Sons, 1996. • G.E. Dullerud and F. Paganini, A course in Robust Control Theory: A convex Approach , Springer Verlag, 1991. • Francis B. A Course in H-infinity Control Theory, Lecture Notes in Control and Information Sciences, Vol. 88, 1987.
OPTIONAL REFERENCES	-
PREREQUISITE	<ul style="list-style-type: none"> • Optimal Control System