

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		TBD x 4
20400	Aeromechanics II		Tallman
20401	Aeromechanics II Laboratory		Zhang
25100	Introduction to Aerospace Design		Marais TBD
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		Li Sun Goppert
33300	Fluid Mechanics		Jewell TBD x 2
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		TBD
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Wang
33900	Aerospace Propulsion		Heister
34000	Dynamics and Vibrations		Arnas Longuski
35103	Aeropsace Systems Design	Design	Leiffson
35200	Structural Analysis I		Doyle Yu
35201	Structural Analysis I Laboratory		Zhang
36400	Control Systems Analysis		Hwang Mou
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41200	Introduction to Computational Fluid Dynamics	Aerodynamics Propulsion	Blaisdell
41600	Viscous Flows	Aerodynamics	Shih
41800	Zero-Gravity Flight Experiment	Design Aerodynamics	Collicott
42100	Flight Dynamics and Control		Dai Corless
43900	Rocket Propulsion	Propulsion	Heister
44000	Spacecraft Attitude Dynamics		Oguri
45000A	Spacecraft Design		Garrison
45100A	Aircraft Design		TBD
45100C	Aircraft Design - Requires Instructor Permission	Design	Qiao
49000 TRSD	TracSat DBT - Requires Instructor Permission	Aerodynamics Propulsion A & C	Shashurin
50700	Principles of Dynamics	ASA	Longuski
51100	Introduction to Fluid Mechanics	Aerodynamics	Poggie
53200	Orbit Mechanics	ASA	Howell
53400	Spacecraft Electric Propulsion	Propulsion	Shashurin
53500	Propulsion Design, Build, Test Requires Instructor Permission	Propulsion	Qiao

Course number	Course name	Area	Instructor
53700	Hypersonic Propulsion	Propulsion	Slabaugh
53800	Air Breathing Propulsion	Propulsion	Paniagua
54600	Aerospace Structural Dynamics and Stability	Structures	Doyle
55000	Multidisciplinary Design Optimization	Design Structures	Crossley
55300	Elasticity in Aerospace Engineering	Structures	Tallman
55400	Fatigue of Structures and Materials	Structures	Sangid
55600	Aeroelasticity	Structures/D & C	Arrieta Diaz
55800	Finite Element Methods in Aerospace Structures	Structures	Tomar
56100	Intro to Convex Optimization	A & C	IE controls
56400	Systems Analysis and Synthesis	A & C	Corless
57500	Introduction to Satellite Navigation and Positioning	ASA	Garrison
59000	Aerospace Eng Probability and Est.	A&C Design ASA	Frazho
59000	Design of Composite Materials and Structures	Structures	Zhang
59000	Space Flight Operations	ASA/Design	Cunningham
59000	Estimation & Tracking	ASA	LeGrand
59000	Space Traffic Management	ASA	Frueh
59000	System Safety & Reliability	Design	Marais
59000	Estimation and Control Lab	A & C	Dai
MSE 58600	Experimental Characterization of Advanced Composite Materials	Structures	Pipes