

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		1 section
20400	Aeromechanics II		4 sections
20401	Aeromechanics II Laboratory		Zhang
25100	Introduction to Aerospace Design		3 sections
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		2 sections
33300	Fluid Mechanics		1 section
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		2 sections
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Wang
33900	Aerospace Propulsion		3 sections
34000	Dynamics and Vibrations		3 sections
35200	Structural Analysis I		2 sections
35201	Structural Analysis I Laboratory		Zhang
36400	Control Systems Analysis		3 sections
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41800	Zero-Gravity Flight Experiment	Design Aerodynamics	Collicott 2 sections
42100	Flight Dynamics and Control		2 sections
43800	Air-Breathing Propulsion	Propulsion	Slabaugh
44000	Spacecraft Attitude Dynamics		Howell
45000	Spacecraft Design		2 sections
45100A	Aircraft Design		2 sections
49000OA	Orbital Analysis	ASA	1 section
51200	Computational Aerodynamics	Aerodynamics	Shih
51400	Intermediate Aerodynamics	Aerodynamics	Bane
52000	Experimental Aerodynamics	Aerodynamics	Jewell
52100	Plasma Laboratory	Aerodynamics/Propulsion	Shashurin
53500	Propulsion Design, Build, Test Requires Instructor Permission	Propulsion	Pourpoint
53900	Advanced Rocket Propulsion	Propulsion	1 Section
54600	Aerospace Structural Dynamics and Stability	Structures	1 Section
55200	Nondestructive Evaluation of Structures and Materials	Structures	Tallman

55500	Mechanics of Composite Materials	Structures	Yu
56000	Sytems-of-Systems Modeling and Analysis	Design	Guariniello
56700	Introduction to Applied Stochastic Processes	A & C	Frazho
56800	Applied Optimal Control and Estimation	A & C	Hwang
59000NEH	Non-Equilibrium Hypersonic Flow	Aerodynamics	Poggie
59000 ACA	Appl Control in Astronautics	ASA	Oguri
59000 AHF	Aerospace Human Factors	Design	Caldwell
59000 CC	Comput Combust & Prop	Propulsion	Wang
59000 DSMM	Data Science in Mechanics of Materials	Structures	Tomar
59000 MAAC	Multi-Agent Autonomy and Control	A & C	Mou
59000 MAV	Modern Vehicle Avionics	A & C	Li
59000 SC	Satellite Constellations	ASA	Arnas
59000 SMO	Surrogate Methods	Design	Leifsson