

2024 Spring AAE Course Offerings

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		Hassan
20400	Aeromechanics II		5 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		Shih
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		2 Sections
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Maeda
33900	Aerospace Propulsion		3 sections
34000	Dynamics and Vibrations		4 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	2 Sections
42100	Flight Dynamics and Control		2 Sections
43800	Air-Breathing Propulsion	Propulsion	Slabaugh
44000	Spacecraft Attitude Dynamics		2 Sections
45000A	Spacecraft Design		3 sections
45000TRST	Spacecraft Design/TracSat requires instructor permission		Shashurin
45100	Aircraft Design		2 Sections
45400	Design of Aerospace Structures	Design/Structures	Zhang
49000 TRST	TracSat DBT - Requires Instructor Permission	Aerodynamics Propulsion A & C	Shashurin
49000 OA	Orbital Analysis	ASA	Cappanolo
51200	Computational Aerodynamics	Aerodynamics	Pojman
51400	Intermediate Aerodynamics	Aerodynamics	Bane
51900	Hypersonic Aerothermodynamics	Aerodynamics	Schneider
52000	Experimental Aerodynamics	Aerodynamics	Jewell
52100	Plasma Laboratory	Aerodynamics/Propulsion	Shashurin
52300	Introduction to Remote Sensing	ASA/Design	Garrison
53900	Advanced Rocket Propulsion	Propulsion	Canino
54500	Dynamic Behavior of Materials	Structures	Chen
55200	Nondestructive Evaluation of Structures and Materials	Structures	Tallman
55500	Mechanics of Composite Materials	Structures	Yu
56000	Systems-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
59000 ACA	Appl Control in Astronautics	ASA	Oguri
59000 CC	Computational Combustion and Propulsion	Propulsion	Wang
59000 MA	Manufacturing of Advanced Composites	Structures	Pipes
59000 MAV	Modern Vehicle Avionics	A & C	Li
59000 MAAC	Multi-Agent Autonomy and Control	A & C	Mou
59000 SC	Satellite Constellations	ASA	Arnas
59000 SMO	Surrogate Methods	Design	Leifsson