

2022 Spring AAE Course Offering List

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		Teaching Fellow Teaching Fellow
20400	Aeromechanics II		Tsutsui Zhang Hassan
20401	Aeromechanics II Laboratory		Tsutsui
25100	Introduction to Aerospace Design		Teaching Fellow Teaching Fellow
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		Sun
33300	Fluid Mechanics		Shih
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		Macheret Blaisdell
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Wang
33900	Aerospace Propulsion		Anderson
34000	Dynamics and Vibrations		Frueh Teaching Fellow
35200	Structural Analysis I		Doyle
35201	Structural Analysis I Laboratory		Tsutsui
36400	Control Systems Analysis		Hwang Goppert
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41800	Zero-Gravity Flight Experiment	Design/Aerodynamics	Collicott
42100	Flight Dynamics and Control		Dai
43800	Air-Breathing Propulsion	Propulsion	Qiao
44000	Spacecraft Attitude Dynamics		Oguri
45000A	Spacecraft Design		Longuski
45000B	Spacecraft Design requires instructor permission		Slabaugh
45000SD	Spacecraft Design/TracSat requires instructor permission - and Fall 490 registration		Shashurin
45100	Aircraft Design		Leifsson
45100B	Aircraft Design - AerosPACE DBT Requires Instructor Permission - and Fall 490 registration		Baldwin
49000	TracSat II	Aerodynamics/Propulsion	Shashurin
49000	Orbital Analysis	ASA	Arnas
51200	Computational Aerodynamics	Aerodynamics	Poggie
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
53500	Propulsion Design, Build, Test	Propulsion	Slabaugh
53900	Advanced Rocket Propulsion	Propulsion	Pourpoint
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	Manufacturing of Advanced Composites	Structures	Pipes
59000	Multi-Agent Autonomy and Control	A&C	Mou