

<b>Course number</b>	<b>Course name</b>	<b>Area</b>	<b>Instructor</b>
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		Agyei Sun Lu (2) Burton (H)
20400	Aeromechanics II		Alstrom Joshi Paulson (H)
20401	Aeromechanics II Laboratory		Zhang
25100	Introduction to Aerospace Design		Burton Chakraborty Paulson (2) Guimaraes (H)
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		Goppert Li
33300	Fluid Mechanics		Chynoweth Jewell Maeda
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		Canino (2)
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Wang
33900	Aerospace Propulsion		Chakraborty (2)
34000	Dynamics and Vibrations		Burton Cunningham
35103	Aerospace Systems Design	Design	TBD
35200	Structural Analysis I		Agyei (2) Joshi
35201	Structural Analysis I Laboratory		Zhang
36400	Control Systems Analysis		Tanaka Hwang
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 (2)
42100	Flight Dynamics and Control		Dai Corless (2)
43900	Rocket Propulsion	Propulsion	Pourpoint
44000	Spacecraft Attitude Dynamics		Capannolo Oguri

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45000	Spacecraft Design		Garrison Cunningham
45100A	Aircraft Design		Leifsson
45100B	Aircraft Design - DBF <i>Requires Department Permission</i>		Guimaraes
45100C	Aircraft Design - DBF <i>Requires Department Permission</i>		Alstrom
45400	Design of Aerospace Structures	Design/Structures	Joshi
49000APF (Honors)	Aero Prop Foundations <i>Requires Department Permission</i>		Canino (H)
49000ACD	Aircraft Conceptual Design <i>Requires Instructor Permission</i>	Design	Guimaraes
49000 TSD	TracSat DBT	Aerodynamics A & C	Shashurin
50700	Principles of Dynamics	ASA	Frueh
51100	Introduction to Fluid Mechanics	Aerodynamics	Poggie
53200	Orbit Mechanics	ASA	Howell
53300	Space Traffic Management	ASA	Frueh
53400	Spacecraft Electric Propulsion	Propulsion	Shashurin
53700	Hypersonic Propulsion	Propulsion	Slabaugh
53800	Air Breathing Propulsion	Propulsion	Paniagua (ME)
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	Arrieta (ME)
55800	Finite Element Methods in Aerospace Structures	Structures	Tomar
56400	Systems Analysis and Synthesis	A & C	Frazho
57100	Complex System Safety	Design	Marais
57500	Introduction to Satellite Navigation and Positioning	ASA	Garrison
59000AEP	Aerospace Eng Probability and Est.	A&C Design ASA	Frazho
59000CD	Design of Composite Materials and Structures	Structures	Zhang
59000FE	Fundamentals of Estimation	ASA	Legrand
59000ECL	Estimation and Control Lab	A & C	Dai
59000 MGD	Molecular Gas Dynamics	Aerodynamics	Alexeenko
59000EPS	Space Flight Operations	ASA/Design	Cunningham
59000STC	Stochastic Control	A & C	Tanaka
59000SA	Sustainable Aviation	Propulsion	Qiao