

**Aerospace (ASEN) Course Schedule  
Fall 2020**

9/1/2020

UNDERGRADUATE COURSES										
CRSE	NUM	SEC	COURSE TITLE	DAY(S)	START	END	MODE	LOC	FACULTY NM	FACULTY NM2
ASEN	1320	100	Aerospace Computing	MWF	8:00 AM	8:50 AM	Remote/Online	-	Matsuo	
		102	Aerospace Computing (Recitation)	T	11:20 AM	12:10 PM	Remote	-	Chandler	Matsuo
		103	Aerospace Computing (Recitation)	T	12:30 PM	1:20 PM	Remote	-	Chandler	Matsuo
		105	Aerospace Computing (Recitation)	W	10:20 AM	11:10 AM	Remote	-	Ratheesh Babu	Matsuo
		109	Aerospace Computing (Recitation)	TH	11:30 AM	12:20 PM	Remote	-	Ruane	Matsuo
		110	Aerospace Computing (Recitation)	TH	12:40 PM	1:30 PM	Remote	-	Ruane	Matsuo
		113	Aerospace Computing (Recitation)	T	4:35 PM	5:25 PM	Hybrid	AERO 141	Ratheesh Babu	Matsuo
ASEN	1403	001	Introduction to Rocket Engineering	TTH	3:00 PM	4:15 PM	Hybrid	AERO N100	Rhode	
ASEN	2001	100	Aerospace 1: Introduction to Statics, Structures, and Materials	TTH	8:30 AM	9:45 AM	Hybrid	AERO 120	Wingate/Johnson	
ASEN	2001	200	Aerospace 1: Introduction to Statics, Structures, and Materials	TTH	10:05 AM	11:20 AM	Hybrid	AERO 120	Wingate/Johnson	
		301	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	8:30 AM	10:20 AM	Hybrid	AERO 141	Wingate/Johnson	
		302	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	10:40 AM	12:30 PM	Hybrid	AERO 141	Wingate/Johnson	
		303	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	12:50 PM	2:40 PM	Hybrid	AERO 141	Wingate/Johnson	
		304	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	3:00 PM	4:50 PM	Hybrid	AERO 141	Wingate/Johnson	
		305	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	8:30 AM	10:20 AM	Hybrid	AERO N100	Wingate/Johnson	
		306	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	10:40 AM	12:30 PM	Hybrid	AERO N100	Wingate/Johnson	
		307	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	12:50 PM	2:40 PM	Hybrid	AERO N100	Wingate/Johnson	
		308	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	3:00 PM	4:50 PM	Hybrid	AERO N100	Wingate/Johnson	
		309	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	8:30 AM	10:20 AM	Hybrid	AERO 120	Wingate/Johnson	
		310	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	10:40 AM	12:30 PM	Hybrid	AERO 120	Wingate/Johnson	
		311	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	12:50 PM	2:40 PM	Hybrid	AERO 120	Wingate/Johnson	
		312	Aerospace 1: Introduction to Statics, Structures, and Materials (Lab)	M	3:00 PM	4:50 PM	Hybrid	AERO 120	Wingate/Johnson	
ASEN	2002	100	Aerospace 2: Introduction to Thermodynamics and Aerodynamics	TTH	11:40 AM	12:55 PM	Remote/Online	-	Thayer/Mah	
ASEN	2002	200	Aerospace 2: Introduction to Thermodynamics and Aerodynamics	TTH	1:15 PM	2:30 PM	Remote/Online	-	Thayer/Mah	
		301	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	8:30 AM	10:20 AM	Hybrid	AERO 141	Hodgkinson	Thayer/Mah
		302	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	10:40 AM	12:30 PM	Hybrid	AERO 141	Hodgkinson	Thayer/Mah
		303	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	12:50 PM	2:40 PM	Hybrid	AERO 141	Hodgkinson	Thayer/Mah
		304	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	3:00 PM	4:50 PM	Hybrid	AERO 141	Hodgkinson	Thayer/Mah
		305	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	8:30 AM	10:20 AM	Hybrid	AERO N100	Hodgkinson	Thayer/Mah
		306	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	10:40 AM	12:30 PM	Hybrid	AERO N100	Hodgkinson	Thayer/Mah
		307	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	12:50 PM	2:40 PM	Hybrid	AERO N100	Hodgkinson	Thayer/Mah
		308	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	3:00 PM	4:50 PM	Hybrid	AERO N100	Hodgkinson	Thayer/Mah
		309	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	8:30 AM	10:20 AM	Hybrid	AERO 120	Hodgkinson	Thayer/Mah
		310	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	10:40 AM	12:30 PM	Hybrid	AERO 120	Hodgkinson	Thayer/Mah
		311	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	12:50 PM	2:40 PM	Hybrid	AERO 120	Hodgkinson	Thayer/Mah
		312	Aerospace 2: Introduction to Thermodynamics and Aerodynamics (Lab)	W	3:00 PM	4:50 PM	Hybrid	AERO 120	Hodgkinson	Thayer/Mah
ASEN	2012	001	Experimental and Computational Methods in Aerospace Engineering Sciences	F	8:50 AM	10:30 AM	Hybrid	AERO 120	Nerem	
ASEN	2012	002	Experimental and Computational Methods in Aerospace Engineering Sciences	F	10:50 AM	12:30 PM	Hybrid	AERO 120	Jackson	

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ASEN	3046	001	Introduction to Humans in Aviation	F	5:00 PM	7:50 PM	Remote/Online	-	Scott	
ASEN	3111	010	Aerodynamics	MW	11:40 AM	12:55 PM	Remote	-	Jansen	
		011	Aerodynamics (Lab)	F	10:40 AM	12:30 PM	Hybrid	AERO 141	Evans	
		012	Aerodynamics (Lab)	F	1:40 PM	3:30 PM	Hybrid	AERO 141	Evans	
		013	Aerodynamics (Lab)	F	10:40 AM	12:30 PM	Hybrid	AERO N240	Evans	
		014	Aerodynamics (Lab)	F	1:40 PM	3:30 PM	Hybrid	AERO N240	Evans	
		015	Aerodynamics (Lab)	F	10:40 AM	12:30 PM	Hybrid	AERO N250	Evans	
		016	Aerodynamics (Lab)	F	1:40 PM	3:30 PM	Hybrid	AERO N250	Evans	
ASEN	3112	010	Structures	MW	8:30 AM	9:45 AM	Remote/Online	-	Maute/Doostan	
		011	Structures (Lab)	T	10:40 AM	12:30 PM	Hybrid	AERO 120	Maute/Doostan	
		012	Structures (Lab)	T	12:50 PM	2:40 PM	Hybrid	AERO 120	Maute/Doostan	
		013	Structures (Lab)	T	10:40 AM	12:30 PM	Hybrid	AERO N240	Maute/Doostan	
		014	Structures (Lab)	T	12:50 PM	2:40 PM	Hybrid	AERO N240	Maute/Doostan	
ASEN	3113	010	Thermodynamics and Heat Transfer	MW	10:05 AM	11:20 AM	Remote	-	Li	
		011	Thermodynamics and Heat Transfer (Lab)	F	8:30 AM	10:20 AM	Hybrid	AERO 141	Li	
		012	Thermodynamics and Heat Transfer (Lab)	TH	3:00 PM	4:50 PM	Hybrid	AERO 141	Li	
		013	Thermodynamics and Heat Transfer (Lab)	TH	3:00 PM	4:50 PM	Hybrid	AERO 120	Li	
		014	Thermodynamics and Heat Transfer (Lab)	F	8:30 AM	10:20 AM	Hybrid	AERO N100	Li	
ASEN	3128	010	Aircraft Dynamics	MW	2:25 PM	3:40 PM	Remote/Online	-	Frew	
		011	Aircraft Dynamics (Lab)	F	10:40 AM	12:30 PM	Hybrid	AERO N100	Frew	
		012	Aircraft Dynamics (Lab)	F	1:40 PM	3:30 PM	Hybrid	AERO N100	Frew	
		013	Aircraft Dynamics (Lab)	F	10:40 AM	12:30 PM	Hybrid	AERO 114	Frew	
		014	Aircraft Dynamics (Lab)	F	1:40 PM	3:30 PM	Hybrid	AERO 120	Frew	
		015	Aircraft Dynamics (Lab)	F	10:40 AM	12:30 PM	Hybrid	AERO 232	Frew	
		016	Aircraft Dynamics (Lab)	F	1:40 PM	3:30 PM	Hybrid	AERO 232	Frew	
ASEN	3200	010	Orbital Mechanics/Attitude Dynamics and Control	MW	4:00 PM	5:15 PM	Remote	-	Axelrad/Davis	
		011	Orbital Mechanics/Attitude Dynamics and Control (Lab)	T	12:50 PM	2:40 PM	Hybrid	AERO 141	Axelrad/Davis	
		012	Orbital Mechanics/Attitude Dynamics and Control (Lab)	TH	12:50 PM	2:40 PM	Hybrid	AERO 141	Axelrad/Davis	
		013	Orbital Mechanics/Attitude Dynamics and Control (Lab)	T	12:50 PM	2:40 PM	Hybrid	AERO N100	Axelrad/Davis	
		014	Orbital Mechanics/Attitude Dynamics and Control (Lab)	TH	12:50 PM	2:40 PM	Hybrid	AERO 120	Axelrad/Davis	
ASEN	3300	010	Aerospace Electronics and Communications	MW	1:15 PM	2:05 PM	Hybrid	AERO 111	Palo/Marshall	
		011	Aerospace Electronics and Communications (Lab)	TTH	8:30 AM	10:20 AM	Hybrid	AERO 141	Palo/Marshall	
		012	Aerospace Electronics and Communications (Lab)	TTH	10:40 AM	12:30 PM	Hybrid	AERO 141	Palo/Marshall	
		013	Aerospace Electronics and Communications (Lab)	TTH	8:30 AM	10:20 AM	Hybrid	AERO N100	Palo/Marshall	
		014	Aerospace Electronics and Communications (Lab)	TTH	10:40 AM	12:30 PM	Hybrid	AERO N100	Palo/Marshall	
		015	Aerospace Electronics and Communications (Lab)	-			Online	DISTANCE	Palo/Marshall	
ASEN	4013	001	Foundations of Propulsion	T	2:50 PM	4:05 PM	Hybrid	AERO 120	Nabity	
		001	Foundations of Propulsion	TH	2:50 PM	4:05 PM	Remote	-	Nabity	
ASEN	4018	010	Senior Projects 1: Design Synthesis	TTH	4:25 PM	5:15 PM	Remote	-	Jackson	
		011	Senior Projects 1: Design Synthesis (Lab) - PLACEHOLDER	MW	10:40 AM	12:30 PM	Remote	-	Jackson	

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		012	Senior Projects 1: Design Synthesis (Lab) - PLACEHOLDER	MW	12:50 PM	2:40 PM	Remote	-	Jackson	
ASEN	4067	010	Microavionics for Aerospace*	MW	4:30 PM	5:20 PM	Remote	-	Schwartz	
		011	Microavionics for Aerospace (Lab)*	TH	12:50 PM	2:40 PM	Hybrid	AERO N100	Schwartz	
		012	Microavionics for Aerospace (Lab)*	-			Online	DISTANCE	Schwartz	
ASEN	4138	010	Aircraft Design	MW	8:30 AM	9:20 AM	Remote	-	Gerren	
		011	Aircraft Design (Lab)	F	8:30 AM	10:20 AM	Remote	-	Gerren	
		012	Aircraft Design (Lab)	TH	8:30 AM	10:20 AM	Remote	-	Gerren	
		013	Aircraft Design (Lab)	TH	10:40 AM	12:30 PM	Remote	-	Gerren	

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<b>GRADUATE ASEN COURSES</b>										
CRSE	NUM	SEC	COURSE TITLE	DAY(S)	START	END	MODE	LOC	FACULTY NM	FACULTY NM2
ASEN	5007	001	Introduction to Finite Elements	TTH	1:15 PM	2:30 PM	Hybrid	AERO 111	Evans	
ASEN	5007	001B	Introduction to Finite Elements	-			Online	DISTANCE	Evans	
ASEN	5012	001	Mechanics of Aerospace Structures	MWF	3:30 PM	4:20 PM	Remote	-	Maute	
ASEN	5012	001B	Mechanics of Aerospace Structures	-			Online	DISTANCE	Maute	
ASEN	5014	001	Linear Control Systems	MWF	10:50 AM	11:40 AM	Remote/Online	-	Lawrence	
ASEN	5014	001B	Linear Control Systems	-			Online	DISTANCE	Lawrence	
ASEN	5018	800	Graduate Projects I*	M	5:35 PM	6:25 PM	Remote	-	Rainville	
		801	Graduate Projects I*: Human Spacecraft Design	TTH	11:00 AM	12:50 PM	Hybrid	AERO 224L	Voss	Rainville
		802	Graduate Projects I*: Clock Ensemble Testbed for PNT on Small Spacecraft or UAVs	TTH	9:00 AM	10:50 AM	Hybrid	SEE NOTES	Axelrad	Rainville
		803	Graduate Projects I*: CubeSats for Space Science	MW	2:20 PM	4:10 PM	Hybrid	AERO N240	Marshall	Rainville
		804	Graduate Projects I*: CU-E3 and Maxwell CubeSats	WF	1:50 PM	3:40 PM	Hybrid	AERO 114	Pilinski	Rainville
		805	Graduate Projects I*: Spacecraft MLI Heat Leak Characterization Testing (EAR Restricti	MW	9:00 AM	10:50 AM	Hybrid	AERO N240	Nabity	Rainville
		806	Graduate Projects I*: Space-based Debris Tracking (ITAR Restricted)	T	3:00 PM	4:50 PM	Hybrid	AERO N240	Kubitschek	Rainville
				TH	3:00 PM	4:50 PM	Remote	-	Kubitschek	
ASEN	5044	001	Statistical Estimation for Dynamical Systems	TTH	11:40 AM	12:55 PM	Hybrid	AERO 111	Ahmed	
		002	Statistical Estimation for Dynamical Systems	TTH	11:40 AM	12:55 PM	Remote	-	Ahmed	
ASEN	5044	001B	Statistical Estimation for Dynamical Systems	-			Online	DISTANCE	Ahmed	
ASEN	5051	001	Fluid Mechanics*	MWF	2:20 PM	3:10 PM	Hybrid	AERO 111	Farnsworth	
ASEN	5051	001B	Fluid Mechanics*	-			Online	DISTANCE	Farnsworth	
ASEN	5052	001	Analytical Astrodynamics	TTH	10:05 AM	11:20 AM	Hybrid	AERO 111	Scheeres	
ASEN	5052	001B	Analytical Astrodynamics	-			Online	DISTANCE	Scheeres	
ASEN	5053	001	Rocket Propulsion	TTH	11:40 AM	12:55 PM	Remote	-	Kantha	
ASEN	5053	001B	Rocket Propulsion	-			Online	DISTANCE	Kantha	
ASEN	5063	001	Aircraft Propulsion	TTH	10:05 AM	11:20 AM	Remote	-	Kantha	
ASEN	5063	001B	Aircraft Propulsion	-			Online	DISTANCE	Kantha	
ASEN	5067	010	Microavionics for Aerospace*	MW	4:30 PM	5:20 PM	Remote	-	Schwartz	
		011	Microavionics for Aerospace (Lab)*	TH	12:50 PM	2:40 PM	Hybrid	AERO N100	Schwartz	
		012	Microavionics for Aerospace (Lab)*	-			Online	DISTANCE	Schwartz	
ASEN	5090	001	Introduction to Global Navigation Satellite Systems	MWF	9:40 AM	10:30 AM	Hybrid	AERO 111	Axelrad	
ASEN	5090	001B	Introduction to Global Navigation Satellite Systems	-			Online	DISTANCE	Axelrad	
ASEN	5148	007B	Spacecraft Design	-				LIBRARY	Kubitschek/Grasso	
ASEN	5158	001	Space Habitat Design	TTH	2:50 PM	4:05 PM	Hybrid	AERO 114	Klaus	
ASEN	5158	001B	Space Habitat Design	-			Online	DISTANCE	Klaus	
ASEN	5210	001	Remote Sensing Seminar*	T	10:40 AM	11:30 AM	Remote	-	Sternovsky	
ASEN	5210	001B	Remote Sensing Seminar*	-			Online	DISTANCE	Sternovsky	
ASEN	5307	001	Engineering Data Analysis Methods	TTH	11:40 AM	12:55 PM	Hybrid	AERO 114	Nerem	
ASEN	5307	001B	Engineering Data Analysis Methods	-			Online	DISTANCE	Nerem	
ASEN	5519	001	Special Topics: Intro to Hypersonics	TTH	1:15 PM	2:30 PM	Hybrid	AERO 114	Chaudhry	

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ASEN	5519	001B	Special Topics: Intro to Hypersonics	-			Online	DISTANCE	Chaudhry	
ASEN	5519	002	Selected Topics: Algorithmic Motion Planning	TTH	2:50 PM	4:05 PM	Remote	-	Lahijanian	
ASEN	5519	002B	Selected Topics: Algorithmic Motion Planning	-			Online	DISTANCE	Lahijanian	
ASEN	6011	001	Experimental Fluid Mechanics	TTH	2:50 PM	4:05 PM	Hybrid	AERO 232	Farnsworth	
ASEN	6011	001B	Experimental Fluid Mechanics	-			Online	DISTANCE	Farnsworth	
ASEN	6015	001	Aerospace Vehicle Guidance & Control	TTH	10:05 AM	11:20 AM	Hybrid	AERO 114	McMahon	
ASEN	6015	001B	Aerospace Vehicle Guidance & Control	-			Online	DISTANCE	McMahon	
ASEN	6028	800	Graduate Projects II*	M	5:35 PM	6:25 PM	Hybrid	AERO 120	Rainville	
		801	Graduate Projects II*: Human Spacecraft Design	TTH	11:00 AM	12:50 PM	Hybrid	AERO 224L	Voss	Rainville
		802	Graduate Projects II*: Clock Ensemble Testbed for PNT on Small Spacecraft or UAVs	TTH	9:00 AM	10:50 AM	Hybrid	SEE NOTES	Axelrad	Rainville
		803	Graduate Projects II*: CubeSats for Space Science	MW	2:20 PM	4:10 PM	Hybrid	AERO N240	Marshall	Rainville
		804	Graduate Projects II*: CU-E3 and Maxwell Cubesats	WF	1:50 PM	3:40 PM	Hybrid	AERO 114	Pilinski	Rainville
		805	Graduate Projects II*: Spacecraft MLI Heat Leak Characterization Testing (EAR Restr	MW	9:00 AM	10:50 AM	Hybrid	AERO N240	Nabity	Rainville
		806	Graduate Projects II*: Space-based Debris Tracking (ITAR Restricted)	T	3:00 PM	4:50 PM	Hybrid	AERO N240	Kubitschek	Rainville
				TH	3:00 PM	4:50 PM	Remote	-	Kubitschek	
ASEN	6050	001	Space Instrumentation	TTH	8:30 AM	9:45 AM	Remote	-	Sternovsky	
ASEN	6050	001B	Space Instrumentation	-			Online	DISTANCE	Sternovsky	
ASEN	6055	001	Data Assimilation & Inverse Methods for Earth & Geospace Observations*	TTH	10:05 AM	11:20 AM	Hybrid	SEEC N125	Matsuo	
ASEN	6055	001B	Data Assimilation & Inverse Methods for Earth & Geospace Observations	-			Online	DISTANCE	Matsuo	
ASEN	6060	001	Advanced Astrodynamics	TTH	2:50 PM	4:05 PM	Remote/Online	-	Bosanac	
ASEN	6060	001B	Advanced Astrodynamics	-			Online	DISTANCE	Bosanac	
ASEN	6365	001	Lidar Remote Sensing	MWF	2:20 PM	3:10 PM	Remote	-	Chu	
ASEN	6365	001B	Lidar Remote Sensing	-			Online	DISTANCE	Chu	
ASEN	6519	002	Special Topics: Optical Multi-Object Tracking	TTH	1:15 PM	2:30 PM	Hybrid	AERO 232	Holzinger	
ASEN	6519	002B	Special Topics: Optical Multi-Object Tracking	-			Online	DISTANCE	Holzinger	