

DEPARTMENT OF PHYSICS AND ASTRONOMY
FALL TERM 2022 (2231): SCHEDULE OF CLASSES
Classes Begin: Monday, August 29, 2022
ASTRONOMY

NO.	CLASS#	TITLE	DAY AND TIME	ROOM	INSTRUCTOR
0087	10944	Basics of Space Flight	TH 2:30-3:45 pm	102 Thaw	Good (100) closed
0088	10795	Stonehenge to Hubble	TH 1:00-2:15 pm	343 Alumni	Rao (37)
0088	16908	Stonehenge to Hubble	MW 6:00-7:15 pm	102 Thaw	Rao (15)
0089	10794	Stars, Galx. & Cosmos	MWF 2:00-2:50 pm	102 Thaw	Newman (42)
	10956	Recitation	H 4:00-4:50 pm	210 Thaw	(15)
	10957	Recitation	F 12:00-12:50 pm	210 Thaw	(9)
	10626	Recitation	F 1:00-1:50 pm	210 Thaw	(18)
0089	14503	Stars, Galax. & Cosmos	TH 11:00-12:15 pm	343 Alumni	Bezanson (71)
	14505	Recitation	H 2:00-2:50 pm	11 Thaw	(18)
	14504	Recitation	H 4:00-4:50 pm	11 Thaw	(14)
	22408	Recitation	F 12-12:50 pm	11 Thaw	
	10958	Recitation	F 1:00-1:50 pm	11 Thaw	
0113	10627	Introduction to Astronomy	TH 1:00-2:15 pm	104 Thaw	Hillier (8)
1263	30130	Techniques of Astronomy	MH 6:00-6:50 pm	105 Allen	Turnshek (24)
	30131	Lab	M 7:00-11:00 pm	AO (12)	
	30132	Lab	H 7:00-11:00 pm	AO (12)	
1900	15773	Internship	By Appt.	100 Allen	
1901	15709	Independent Study	By Appt.	100 Allen	
1902	10130	Directed Reading	By Appt.	100 Allen	
1903	15710	Directed Research	By Appt.	100 Allen	
2000	10131	Res. & Thesis/MS Deg.	By Appt.	100 Allen	
2990	10132	Independ. Study (Spec. Per.)	By Appt.	100 Allen	
2998	10133	Teach. Astronomy/Prac.	By Appt.	100 Allen	Kosowsky
3000	10134	Res. & Dissr./PhD	By Appt.	100 Allen	
3101	10135	Special Topics: Intro to Astro	MW 1:00-2:15 pm	103 Allen	Schneider
3550	30129	Stellar Structure	MW 9:30-10:45 am	105 Allen	Badenes (3)
3902	10136	Directed Study (<i>Spec.Per</i>)	TBA		
3907	21464	Directed Research (<i>Spec.Per</i>)	TBA		

PHYSICS					
NO.	CLASS#	TITLE	DAY AND TIME	ROOM	INSTRUCTOR
0081	25212	Space & Time/Light & Matter	MWF 2:00-2:50 pm	104 Thaw	Paolone (5)
0082	30128	Science of Musical Sounds	TH 1:00-2:15 pm	102 Thaw	Broccio (20)
0110	10427	Intro. To Physics 1	MWF 12:00-12:50 pm	343 Alumni	Broccio (269) closed
0110	10254	Recitation	M 1:00-1:50 pm	102 Thaw	(30) (wait 20)
0110	10942	Recitation	M 2:00-2:50 pm	105 Allen	(30)
0110	11185	Recitation	M 4:00-4:50 pm	103 Allen	(30)
0110	10255	Recitation	T 11:00-11:50 am	105 Allen	(30)
0110	10943	Recitation	T 12:00-12:50 pm	105 Allen	(30)
0110	15772	Recitation	T 1:00-1:50 pm	105 Allen	(30)
0110	11184	Recitation	T 2:00-2:50 pm	105 Allen	(30)
0110	23713	Recitation	T 3:00-3:50 pm	105 Allen	(30)
0110	28621	Recitation	T 4:00-4:50 pm	103 Allen	(29)
0110	10428	Intro. To Physics 1	TH 2:30-3:45 pm	343 Alumni	Han (269) closed
0110	15606	Recitation	T 12:00-12:50 pm	11 Thaw	(30) (wait 15)
0110	10535	Recitation	T 1:00-1:50 pm	11 Thaw	(30)
0110	10258	Recitation	T 4:00-4:50 pm	105 Allen	(30)
0110	28622	Recitation	T 5:00-5:50 pm	106 Allen	(30)
0110	28623	Recitation	T 6:00-6:50 pm	105 Allen	(30)
0110	10259	Recitation	H 12:00-12:50 pm	11 Thaw	(30)
0110	14506	Recitation	H 1:00-1:50 pm	11 Thaw	(30)
0110	10260	Recitation	H 4:00-4:50 pm	105 Allen	(30)
0110	22880	Recitation	H 5:00-5:50 pm	105 Allen	(30)
0110	10256	Intro. To Physics 1	TH 6:00-7:20 pm	343 Alumni	Wu (99)
0110	24851	Recitation	T 5:00-5:50 pm	343 Alumni	(29)
0110	28624	Recitation	T 5:00-5:50 pm	103 Allen	(6)
0110	10257	Recitation	T 7:30-8:15 pm	343 Alumni	(29)
0110	22073	Recitation	H 5:00-5:50 pm	343 Alumni	(21)
0110	28625	Recitation	H 7:30-8:15 pm	343 Alumni	(14)
0111	10429	Intro. To Physics 2	MWF 1:00-1:50 pm	343 Alumni	Clark (220)
0111	10262	Recitation	M 12:00-12:50 pm	103 Allen	(32)
0111	10261	Recitation	M 2:00-2:50 pm	11 Thaw	(31)
0111	10263	Recitation	T 11:00-11:50 am	11 Thaw	(32)
0111	20472	Recitation	T 3:00-3:50 pm	11 Thaw	(32)
0111	17366	Recitation	T 4:00-4:50 pm	11 Thaw	(31)
0111	23712	Recitation	T 5:00-5:50 pm	11 Thaw	(32)
0111	31807	Recitation	W 12:00-12:50 pm	103 Allen	(32) .

0174	11079	Bas. Phys. Sc. Eng. 1	MF 2:00-2:50 pm W 2:00-3:50 pm	343 Alumni Good (12) 343 Alumni
0174	11139	Recitation	M 4:00-4:50 pm	11 Thaw
0174	11080	Recitation	M 4:00-4:50 pm	104 Thaw
0174	26058	Recitation	W 4:00-4:50 pm	11 Thaw
0174	28628	Recitation	W 4:00-4:50 pm	104 Thaw
0174	23981	Recitation	F 3:00-3:50 pm	106 Allen
0174	28994	Recitation	F 3:00-3:50 pm	11 Thaw
0174	19922	Recitation	F 4:00-4:50 pm	11 Thaw
0174	10901	Bas. Phys. Sc. Eng. 1	MF 3:00-3:50 pm	343 Alumni Nero (28)
0174	11140	Recitation	M 2:00-2:50 pm	106 Allen
0174	10996	Recitation	W 3:00-3:50 pm	105 Allen
0174	17164	Recitation	W 4:00-4:50 pm	105 Allen
0174	28629	Recitation	F 2:00-2:50 pm	105 Allen
0174	23008	Recitation	F 4:00-4:50 pm	105 Allen
0174	21506	Bas. Phys. Sc. Eng. 1	MF 4:00-4:50 pm	343 Alumni Nero (6)
0174	28901	Recitation	M 2:00-2:50 pm	210 Thaw
0174	21507	Recitation	W 2:00-2:50 pm	106 Allen
0174	28630	Recitation	W 3:00-3:50 pm	104 Thaw
0174	11074	Recitation	F 2:00-2:50 pm	106 Allen
0174	23009	Recitation	F 3:00-3:50 pm	210 Thaw
0174	10959	Bas. Phys. Sc. Eng. 1 Bas. Phys. Sc. Eng. 1	MF 10:00-10:50 am W 10:00-11:50 am	343 Alumni Hong (72) 343 Alumni
0174	10960	Recitation	W 1:00-1:50 pm	105 Allen
0174	20551	Recitation	W 2:00-2:50 pm	105 Allen
0174	10961	Recitation	H 11:00-11:50 am	105 Allen
0174	17365	Recitation	H 12:00-12:50 pm	105 Allen
0174	10962	Recitation	H 1:00-1:50 pm	105 Allen
0174	10963	Bas. Phys. Sc. Eng. 1	MW 6:00-7:45 pm	343 Alumni XXX (27)
0174	10964	Recitation	M 8:00-8:50 pm	343 Alumni
0174	15784	Recitation	W 5:00-5:50 pm	343 Alumni
0174	10965	Recitation	W 8:00-8:50 pm	343 Alumni
0175	11075	Bas. Phys. Sc. Eng. 2	MF 9:00-9:50 am W 8:00-9:50 am	343 Alumni Purdy (94) 343 Alumni
0175	11076	Recitation	W 12:00-12:50 pm	102 Thaw (25)
0175	11077	Recitation	W 2:00-2:50 pm	11 Thaw (15)
0175	17364	Recitation	H 12:00-12:50 pm	210 Thaw (28)
0175	11078	Recitation	H 2:00-2:50 pm	105 Allen (11)
0175	21638	Recitation	H 3:00-3:50 pm	105 Allen (10)

0212	10264	Intro. Lab. Phys. Lec.	T 12:00-12:50 pm	102 Thaw	Naples (112)
0212	10265	Laboratory	T 1:00-3:50 pm	408 OEH (24)	
0212	11153	Laboratory	T 4:00-6:50 pm	408 OEH (14)	
0212	24628	Laboratory	W 9:00-11:50 am	408 OEH (24)	
0212	10540	Laboratory	W 2:00-4:50 pm	408 OEH (19)	
0212	10541	Laboratory	H 9:00-11:50 am	408 OEH (11)	
0212	10266	Laboratory	H 1:00-3:50 pm	408 OEH (20)	
0212	17367	Intro. Lab. Phys. Lec.	T 6:00-6:50 pm	104 Thaw	Clark (53)
0212	17369	Laboratory	T 7:00-9:50 pm	408 OEH (20)	
0212	17368	Laboratory	W 6:00-8:50 pm	408 OEH (20)	
0212	24629	Laboratory	H 6:00-8:50 pm	408 OEH (13)	
0219	10267	Bas. Lab. Phys. Sc. & Eng.	T 10:00-10:50 am	104 Thaw	Naples (42)
0219	10268	Laboratory	T 1:00-3:50 pm	402 OEH (23)	
0219	17493	Laboratory	T 7:00-9:50 pm	402 OEH (19)	
0310	23582	First Year Seminar in P&A	W 12:00-12:50 pm	106 Allen	Wood-Vasey (2)
0330	31818	Phys & Quantum Com Sem	W 12:00-12:50 pm	210 Thaw	Hatridge (1)
0475	10271	Intr. Phys. Sc. Eng. 1	MWF 11:00-11:50 am	102 Thaw	Wood-Vasey (9)
0475	10272	Recitation	TH 11:00-11:50 AM	102 Thaw	
0477	20233	Prin. Mod. Phys. 1	MW 11:00-12:15 pm F 11:00-11:50 pm	11 Thaw 11 Thaw	Mueller (50)
0520	14507	Mod. Phys. Measurements	TH 1:00-3:50 pm	324 OEH 210 Thaw	Paolone (13)
1321	20230	Comp Methods in Phys	MWF 10:00-10:50 am	210 Thaw	Nero (21)
1351	10430	Interme. Elec. & Mag.	TH 9:30-10:45 am	102 Thaw	Devaty (25)
1361	10269	Wave Mot. & Optics	WF 1:00-1:50 pm	106 Allen	Petek (15)
1361	10270	Laboratory	W 2:00-5:20 pm	306 OEH (11)	
1361	24630	Laboratory	F 2:00-5:20 pm	306 OEH (4)	
1661	20624	Wave Mot. Opt./Writ.	W 9:00-9:50 am	106 Allen	Petek (11)
1661	24578	Wave Mot. Opt./Writ.	W 9:00-9:50 am	106 Allen	Paolone (4)
1661	24772	Wave Mot. Opt./Writ.	W 9:00-9:50 am	106 Allen	Frolov (3)
1661	30126	Wave Mot. Opt./Writ	W 9:00-9:50 am	106 Allen	Turnshek -(6)
1370	10273	Intr. Quan. Mech. 1	MWF 11:00-11:50 am	104 Thaw	Levy (24)
1373	14508	Math Methods in Physics	TH 9:30-10:45 am	11 Thaw	Boyanovsky (13)
1376	30127	Intro to Biophysics	TH 11:00-12:15 pm	103 Allen	Salman (5)
1415	23583	Lab: Quantum Phys: Nano	TBD	TBD	Frolov (6)

1415	23584	Laboratory	TBD	TBD	
1900	10274	Internship (Spec. Per.)	By Appt.	100 Allen	
1901	10275	Independent Study (Spec. Per)	By Appt.	100 Allen	
1901	10276	Independent Study/UHC (Per)	By Appt.	100 Allen	
1902	10277	Directed Reading (Spec. Per.)	By Appt.	100 Allen	
1903	10278	Directed Research (Spec. Per.)	By Appt.	100 Allen (1)	
1904	23037	Experience in UG Teaching	By Appt.	100 Allen	
2000	10374	Res. & Thesis MS Deg.	By Appt.	100 Allen	
2101	10375	Special Topics (Spec. Per.)	By Appt.	100 Allen	
2370	27197	Intro to Quantum Mechanics	MWF 11:00-11:50 am	104 Thaw	Levy
2373	15626	Math Methods in Physics	TH 9:30-10:45 am	11 Thaw	Boyanovsky (1)
2513	10376	Dynamical Systems	MWF 10:00-10:50 am	106 Allen	Boudreau (3)
2565	10377	Non-Rel. Quan. Mech. 1	MWF 11:00-11:50 am	106 Allen	Savinov (2)
2990	10378	Independent Study	By Appt.	100 Allen	
2997	20625	Teaching of Physics	Friday 3-4:50 pm	104 Thaw	Good
2998	10379	Teaching Phys./Prac.	By Appt.	100 Allen	Kosowsky
2999	15807	Phys. & Astron. Colloq.	By Appt.	100 Allen	Rao
3000	10380	Res. & Dissert/PhD	By Appt.	100 Allen (1)	
3101	10858	Special Topics	By Appt.	100 Allen	
3274	20350	Computational Methods	WF 2:30-3:45 pm	103 Allen	Swanson (1)
3707	30125	Intro to Many Body Physics	TH 3-4:15 pm	106 Allen	Boyanovsky (1)
3716	30124	Adv. Solid State Physics	MW 11:00-12:15 pm	105 Allen	Snoke-or spring term
3717	30123	Particle Physics	TH 1-2:15 pm	106 Allen	Batell
3730	30115	Intro to Biophysics	TH 11-12:15 pm	106 Allen	Mugler
3765		Field Theory 1	CMU		
3902	10381	Directed Study (<i>Spec.Per</i>)			
3907	21465	Directed Research (<i>Spec.Per</i>)	(<i>variable credits</i>)		

FULL-TIME DISSERTATION STUDY*

3999 FTDB 0crs

Notes: H indicates "Thursday"

+ indicates TA is attached to another course

**Doctoral students must have completed all formal coursework and at least 72 crs. A&S permits FTDS students to register for an additional 6 crs if they discover a course of interest to their research and studies.*