

Stony Brook Mathematics

Schedule of Classes

Spring 2023

Please Note:	* indicates course coordinator
Last Revised	Tuesday, February 15, 2022 at 12:04 PM

Mathematics Education Courses

MAE 302 Methods and Materials for Teaching Secondary School Math

Note: Offered as MAE 302 and MAE 520

LEC 01	40730	0/10	Tu	4:45pm- 7:35pm		Mathematics 4130	35
LEC 02	53205	0/10	Th	4:45pm- 7:35pm			

MAE 311 Introduction to Methods of Teaching Secondary School Math

Offered as MAE 311 and MAE 510

LEC 01	54340	0/12	TuTh	4:45pm- 6:05pm			
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MAE 312 Micro-Teaching

Note: Offered as MAE 312 and MAE 540

S01	40731	0/15	Th	3:00pm- 4:20pm			
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MAE 330 Technology in Math Education

Offered as MAE 330 and MAT 517

LEC 01	46765	0/25	MW	2:40pm- 4:00pm			
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MAE 400 EXP+, SPK, CER

T13	55667	0/15	FLEX	1:00am- 1:00am	Lisa Berger		
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MAE 447 Directed Readings in Math

Note: Offered as MAE 447 and MAE 530

T01	40732	0/25	Tu	2:30pm- 3:50pm		Online	
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MAE 451 Sup Teaching Grades 7-9

Note: Offered as MAE 451 and MAE 551

V01	40733	0/15					
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MAE 452 Sup Teaching Grades 10-12

Note: Offered as MAE 452 and MAE 552

V01	40734	0/15					
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MAE 454 Student Teaching Seminar

Note: Offered as MAE 454 and MAE 554

S01	40735	0/15	W	4:25pm- 7:15pm		Physics P127	38
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MAE 510 Intro to Methods of Teaching

Offered as MAE 510 and MAE 311

LEC 01	54341	0/12	TuTh	4:45pm- 6:05pm			
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MAE 520 Advanced Methods of Teaching

Note: Offered as MAE 520 and MAE 302

LEC 01	44657	0/10	Tu	4:45pm- 7:35pm		Mathematics 4130	35
LEC 02	53206	0/10	Th	4:45pm- 7:35pm			

MAE 530 Directed Readings and Research

Note: Offered as MAE 530 and MAE 447

T01	44326	0/25	Tu	2:30pm- 3:50pm		Online	
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MAE 540 Clinical Experience

Note: Offered as MAE 540 and MAE 312

S01	44325	0/15	Th	3:00pm- 4:20pm			
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MAE 551 Supervised Student Teaching

Note: Offered as MAE 551 and MAE 451

V01	44530	0/15					
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MAE 552 Supervised Teach High School

Note: Offered as MAE 552 and MAE 452

V01	44531	0/15					
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MAE 554 Student Teaching Seminar

Note: Offered as MAE 554 and MAE 454

S01	44532	0/15	W	4:25pm- 7:15pm		Physics P127	38
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MAE 698 Independent Study, Mathematics

T13	46239	0/5			Lisa Berger		
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Undergraduate Courses

MAP 103 Proficiency Algebra

Note: Some seats reserved for Advising

LEC 01	40736	0/35	MWF	10:30am-11:25am			
LEC 02	40737	0/35	TuTh	6:30pm- 7:50pm		Physics P127	38
LEC 03	47897	0/35	TuTh	11:30am-12:50pm		Physics P127	38
LEC 04	47487	0/35	TuTh	4:45pm- 6:05pm			

MAT 118 Mathematical Thinking

LEC 01	47488	0/ 120	TuTh 1:15pm- 2:35pm			
R01	47489	0/ 38	W 2:40pm- 3:35pm			
R02	47490	0/ 38	M 1:00pm- 1:55pm			
R03	53184	0/ 38	Tu 4:45pm- 5:40pm			

MAT 119 Foundations for Precalculus

Note: Students must also enroll concurrently in MAT 123

LEC 01	47881	0/ 45	W 2:40pm- 4:00pm			
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MAT 122 Overview of Calculus with Applications

LEC 30	54190	0/ 50	FLEX 1:00am- 1:00am		Online	
R30	54189	0/ 50	Tu 11:30am-12:50pm		Online	

MAT 123 Precalculus

LEC 01	53963	0/ 183	MW 4:25pm- 5:45pm			
R01	40738	0/ 36	Tu 11:30am-12:25pm			
R02	40739	0/ 36	M 1:00pm- 1:55pm			
R03	53186	0/ 36	W 11:45am-12:40pm			
R04	40740	0/ 36	M 7:50pm- 8:45pm			
R05	53185	0/ 36	Tu 3:00pm- 3:55pm			
LEC 02	53962	0/ 200	TuTh 9:45am-11:05am			
R20	46118	0/ 35	M 6:05pm- 7:00pm			
R21	46119	0/ 35	M 1:00pm- 1:55pm			
R22	53187	0/ 35	W 4:25pm- 5:20pm			
R23	53964	0/ 35	Th 4:45pm- 5:40pm			
R24	40741	0/ 35	Tu 3:00pm- 3:55pm			
R25	53966	0/ 35	F 9:15am-10:10am		Physics P130	38

MAT 125 Calculus A

LEC 01	53933	0/ 183	MW	4:25pm- 5:45pm		
R01	40742	0/ 35	M	8:30am- 9:25am		
R02	40743	0/ 35	Tu	9:45am-10:40am	Physics P130	38
R03	40744	0/ 35	W	11:45am-12:40pm		
R04	40745	0/ 35	Th	3:00pm- 3:55pm		
R05	40746	0/ 35	M	2:40pm- 3:35pm		
LEC 02	53934	0/ 250	TuTh	9:45am-11:05am		
R20	53188	0/ 38	M	10:30am-11:25am		
R21	46793	0/ 38	Tu	4:45pm- 5:40pm		
R22	40747	0/ 38	F	1:00pm- 1:55pm	Physics P130	38
R23	40748	0/ 38	Th	6:30pm- 7:25pm		
R24	40749	0/ 38	M	11:45am-12:40pm		
R25	53189	0/ 38	M	7:50pm- 8:45pm	Physics P130	38
LEC 03	53935	0/ 250	TuTh	4:45pm- 6:05pm		
R30	53190	0/ 38	M	10:30am-11:25am		
R31	53191	0/ 38	Tu	9:45am-10:40am		
R32	53937	0/ 38	F	1:00pm- 1:55pm		
R33	53938	0/ 38	Th	6:30pm- 7:25pm		
R34	53939	0/ 38	M	11:45am-12:40pm		
R35	53940	0/ 38	M	7:50pm- 8:45pm		

MAT 126 Calculus B

LEC 01	54006	0/ 249	MW	4:25pm- 5:45pm		
R01	40750	0/ 35	F	10:30am-11:25am	Physics P112	40
R02	40751	0/ 35	F	9:15am-10:10am	Physics P112	40
R03	40752	0/ 35	Tu	8:00am- 8:55am	Physics P112	40
R04	40753	0/ 35	W	6:05pm- 7:00pm		
R05	44427	0/ 35	W	8:30am- 9:25am		
R06	53193	0/ 35	Tu	4:45pm- 5:40pm		
R07	40754	0/ 35	Th	3:00pm- 3:55pm		
LEC 02	54007	0/ 249	TuTh	4:45pm- 6:05pm		
R20	44428	0/ 35	F	10:30am-11:25am		
R21	44604	0/ 35	F	9:15am-10:10am	Physics P127	38
R22	44605	0/ 35	Th	8:00am- 8:55am	Physics P127	38
R23	44606	0/ 35	W	6:05pm- 7:25pm	Physics P112	40
R24	44613	0/ 35	W	8:30am- 9:25am	Physics P112	40
R25	53194	0/ 35	Tu	9:45am-10:40am		
R26	53195	0/ 35	Th	3:00pm- 3:55pm		
LEC 03	54008	0/ 249	TuTh	9:45am-11:05am		
R30	44615	0/ 35	Tu	3:00pm- 3:55pm	Physics P112	40
R31	46802	0/ 35	Th	3:00pm- 3:55pm	Physics P112	40
R32	46799	0/ 35	Tu	4:45pm- 5:40pm	Physics P130	38
R33	46800	0/ 35	Tu	6:30pm- 7:25pm		
R34	46801	0/ 35	Th	8:00am- 8:55am	Physics P112	40
R35	46803	0/ 35	W	6:05pm- 7:00pm		
R36	54009	0/ 35	M	10:30am-11:25am		

MAT 127 Calculus C

LEC 01	53942	0/ 65	MW 4:25pm- 5:45pm			
LEC 02	53941	0/ 65	TuTh 9:45am-11:05am			
LEC 03	46149	0/ 65	TuTh 1:15pm- 2:35pm			
grdr 1						
grdr 2						
grdr 3						

MAT 130 Trigonometry and Logarithms

Note: Spring 2022: Class only meets for the first 6 weeks of the semester. Students must enroll concurrently in MAT 125.

LEC 01	53943	0/ 35	MF 1:00pm- 2:20pm			
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MAT 131 Calculus I

LEC 01	53944	0/ 120	TuTh 9:45am-11:05am		Online	
R01	40755	0/ 35	MW 10:30am-11:25am			
R02	40756	0/ 35	TuTh 6:30pm- 7:25pm		Physics P112	40
R03	53192	0/ 35	TuTh 4:45pm- 5:40pm		Physics P112	40

MAT 132 Calculus II

LEC 01	53945	0/ 102	MW 4:25pm- 5:45pm			
R01	40757	0/ 34	TuTh 6:30pm- 7:25pm			
R02	40758	0/ 34	MW 2:40pm- 3:35pm			
R03	40759	0/ 34	TuTh 1:15pm- 2:10pm			
LEC 02	53946	0/ 102	TuTh 9:45am-11:05am			
R20	40760	0/ 34	TuTh 6:30pm- 7:25pm		Physics P130	38
R21	40761	0/ 34	MW 10:30am-11:25am			
R22	40762	0/ 34	TuTh 1:15pm- 2:10pm		Physics P130	38

MAT 200 Logic, Language and Proof

LEC 01	40763	0/ 40	TuTh 1:15pm- 2:35pm			
LEC 02	44702	0/ 40	MWF 10:30am-11:25am			
LEC 03	55652	0/ 40	MF 1:00pm- 2:20pm			
LEC 04	55651	0/ 40	TuTh 1:15pm- 2:35pm			
grdr 1						
grdr 2						
grdr3						
grdr 4						

MAT 203 Calculus III with Applications

LEC 01	53949	0/ 102	TuTh 11:30am-12:50pm			
R01	40764	0/ 34	Tu 3:00pm- 3:55pm			
R02	44270	0/ 34	W 10:30am-11:25am			
R03	47222	0/ 34	W 11:45am-12:40pm			
LEC 02	53948	0/ 150	MW 6:05pm- 7:25pm			
R20	53473	0/ 37	Th 1:15pm- 2:10pm			
R21	46497	0/ 37	Th 9:45am-10:40am		Physics P130	38
R22	47223	0/ 37	M 2:40pm- 3:35pm			
R23	53950	0/ 37	W 8:30am- 9:25am			

MAT 211 Introduction to Linear Algebra

Note: May not be taken for credit in addition to AMS 201 or AMS 210. Some seats are reserved.

LEC 01	53951	0/ 50	TuTh 4:45pm- 6:05pm			
LEC 02	53952	0/ 50	TuTh 11:30am-12:50pm			
LEC 03	53953	0/ 50	MW 4:25pm- 5:45pm			
LEC 04	46321	0/ 50	MW 2:40pm- 4:00pm			
grdr 1						
grdr 2						
grdr 3						
grdr 4						

MAT 250 Intro to Advanced Mathematics

Note: Note: Contact department at upd@math.stonybrook.edu for permission to register

LEC 01	54067	0/ 30	TuTh 1:15pm- 2:35pm			
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MAT 303 Calculus IV with Applications

Note: May not be taken for credit in addition to MAT 308 or AMS 361.

LEC 01	53955	0/ 120	MWF 9:15am-10:10am			
R01	40660	0/ 30	F 1:00pm- 1:55pm		Physics P112	40
R02	44301	0/ 30	W 4:25pm- 5:20pm		Physics P130	38
R03	53262	0/ 30	W 11:45am-12:40pm			
R04	53261	0/ 30	Tu 6:30pm- 7:25pm			

MAT 308 Differential Equations with Linear Algebra

LEC 01	45497	0/ 50	MW 4:25pm- 5:45pm			
R01	45498	0/ 50	Th 4:45pm- 5:40pm			

MAT 310 Linear Algebra

LEC 01	53956	0/ 105	TuTh 3:00pm- 4:20pm			
R01	44423	0/ 35	W 11:45am-12:40pm			
R02	44424	0/ 35	W 11:45am-12:40pm			
R03	53233	0/ 35	W 4:25pm- 5:20pm			

MAT 312 Applied Algebra

Note: Offered as MAT 312 and AMS 351.

LEC 01	40661	0/ 80	TuTh 9:45am-11:05am		
R01	43450	0/ 38	W 2:40pm- 3:35pm		
R02	47491	0/ 40	Tu 3:00pm- 3:55pm		
LEC 02	46150	0/ 80	MWF 11:45am-12:40pm		
R20	46151	0/ 40	W 8:30am- 9:25am		
R21	47492	0/ 40	F 9:15am-10:10am		

MAT 314 Abstract Algebra II

Note: Offered as MAT 314 and MAT 525

LEC 01	47211	0/ 30	TuTh 9:45am-11:05am		Physics P112	40
grader						

MAT 315 Advanced Linear Algebra

Note: Meets with MAT 526 Students should enroll in MAT 310. After two weeks, students will move into MAT 315 if appropriate

LEC 01	47478	0/ 45	TuTh 3:00pm- 4:20pm		
R01	47479	0/ 45	W 11:45am-12:40pm		

MAT 319 Foundations of Analysis

LEC 01	54010	0/ 100	TuTh 11:30am-12:50pm		
R01	43434	0/ 30	MW 2:40pm- 3:35pm		
R02	52561	0/ 30	MW 2:40pm- 3:35pm		
R03	53234	0/ 30	MW 2:40pm- 3:35pm		

MAT 320 Introduction to Analysis

Note: Students should enroll in MAT 319. After 6 weeks, student will move into MAT 320.

LEC 01	54011	0/ 50	TuTh 11:30am-12:50pm			
R01	46498	0/ 38	MW 2:40pm- 3:35pm		Physics P130	38

MAT 322 Analysis in Several Dimensions

Note: Offered as MAT 322 and MAT 523

LEC 01	47646	0/ 30	MW 2:40pm- 4:00pm			
grader						

MAT 331 Computer-Assisted Mathematical Problem Solving

LEC 01	40662	0/ 36	TuTh 9:45am-11:05am			
LEC 02	47880	0/ 36	TuTh 1:15pm- 2:35pm			
grdr 1						
grdr 2						

MAT 336 History of Mathematics

LEC 01	43437	0/ 35	TuTh 3:00pm- 4:20pm			
grdr 1						

MAT 341 Applied Real Analysis

LEC 01	46322	0/ 70	MWF 9:15am-10:10am			
grader						

MAT 342 Applied Complex Analysis

LEC 01	40663	0/ 60	TuTh 3:00pm- 4:20pm		
LEC 02	47480	0/ 60	MWF 11:45am-12:40pm		
grdr 1					
grdr 2					

MAT 351 Differential Equations: Dynamics and Change

LEC 01	47879	0/ 50	TuTh 1:15pm- 2:35pm		
grader					

MAT 360 Geometric Structures

LEC 01	40664	0/ 50	TuTh 11:30am-12:50pm		
grader					

MAT 362 Differential Geometry of Surfaces

LEC 01	40665	0/ 38	TuTh 11:30am-12:50pm		
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MAT 373 Analysis of Algorithms

Note: Many seats are restricted to CSE majors. MAT majors wishing to enroll should contact department. Offered as MAT 373 and CSE 373.

LEC 01	40666	0/ 190	MW 8:30am- 9:50am	Himanshu Gupta	
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MAT 402 Probably: topology and minimal surfaces

Note: Algebraic background at the level of MAT312 or MAT313 required for this specific topic section; some topology recommended

S01	45584	0/ 30	TuTh 1:15pm- 2:35pm		
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MAT 458 Speak Effectively Before/Aud

T31	53651	0/ 20		Scott Sutherland	
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MAT 459 Write Effectively

T36	46811	0/ 15			
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MAT 487 Indep Study in Special Topics**MAT 495 Honors Thesis**

Graduate Courses

MAT 512 Algebra for Teachers

LEC 01	43441	0/ 25	MW 4:25pm- 5:45pm		Mathematics 4130	35
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MAT 513 Analysis for Teachers I

LEC 01	44533	0/ 25	MW 6:05pm- 7:25pm		Physics P130	38
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MAT 517 Calculators/Computers for Teachers

Offered as MAT 517 and MAE 330

LEC 01	46764	0/25	MW 2:40pm- 4:00pm			
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MAT 520 Geometry for Teachers II

LEC 01	54199	0/25	TuTh 4:45pm- 6:05pm			
grader						

MAT 523 Analysis in Several Dimensions

Note: Offered as MAT 523 and MAT 322

LEC 01	52559	0/30	MW 2:40pm- 4:00pm			
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MAT 525 Abstract Algebra II

Note: Offered as MAT 314 and MAT 525

LEC 01	52560	0/30	TuTh 9:45am-11:05am		Physics P112	40
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MAT 526 Linear Algebra

Note: Meets with MAT 315

LEC 01	54198	0/25	TuTh 3:00pm- 4:20pm			
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MAT 531 Topology, Geometry II

LEC 01	40668	0/25	TuTh 3:00pm- 4:20pm		Physics P130	38
grader						

MAT 533 Real Analysis II

LEC 01	46907	0/25	MW 2:40pm- 4:00pm		Physics P112	40
grader						

MAT 535 Algebra II

LEC 01	40669	0/25	TuTh 9:45am-11:05am		Mathematics 4130	35
grader						

MAT 536 Complex Analysis I

LEC 01	46908	0/20	MW 11:45am- 1:05pm		Physics P127	38
grader						

MAT 552 Introduction to Lie Groups and Lie Algebras**Final:** No final exam

LEC 01	46909	0/20	MW 2:40pm- 4:00pm		Physics P127	38
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MAT 554 Harmonic Analysis**Final:** No final exam

LEC 01	55668	0/25	MW 11:45am- 1:05pm		Physics P130	38
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MAT 555 Ergodic Theory and Smooth Dynamics**Final:** No final exam

LEC 01	55665	0/25	MW 9:15am-10:35am			
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MAT 566 Differential Topology**Final:** No final exam

LEC 01	45842	0/25	TuTh 3:00pm- 4:20pm		Physics P127	38
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MAT 569 Differential Geometry II**Final:** No final exam

LEC 01	40670	0/25	TuTh 11:30am-12:50pm		Physics P130	38
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MAT 589 Introduction to Algebraic Geometry**Final:** No final exam

LEC 01	46499	0/25	TuTh 1:15pm- 2:35pm		Physics P127	38
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MAT 599 M.A. Research**MAT 615 Topics in Algebraic Geometry: Complex Curves and Surfaces****Final:** No final exam

LEC 01	40671	0/25	MW 9:15am-10:35am		Physics P130	38
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MAT 639 Topics in Real Analysis: Variational Methods in Complex Geometry

LEC 01	55678	0/25	TuTh 11:30am-12:50pm		Physics P112	40
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MAT 645 Topics in Differential Geometry: Twistor Techniques in Differential Geometry**Final:** No final exam

LEC 01	53223	0/25	MW 11:45am- 1:05pm		Physics P112	40
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MAT 656 Topics in Dynamical Systems: Boundedness Theorems in Kleinian Groups and Complex Dynamics

LEC 01	55679	0/25	TuTh 9:45am-11:05am		Physics P127	38
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MAT 682 Advanced Topics in Differential Geometry: The Fukaya Category

LEC 01	55680	0/25	TuTh 11:30am-12:50pm			
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MAT 691 Advanced Topics in Algebraic Geometry: Vector Bundles on Algebraic Varieties

LEC 01	55681	0/25	MW 10:30am-11:50am			
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MAT 696 Mathematics Seminar

Classic and new tools related to combinatorial topology and the computations of processes in space

Final: No final exam

S01	46503	0/25	F 1:00pm- 3:55pm		Mathematics 4130	35
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MAT 697 Mathematics Colloquium

S01	46932	0/25	Th 4:00pm- 6:00pm		Mathematics P131	50
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MAT 698 Mathematics Seminar**MAT 699 Dissertation Resrch on Campus****MAT 700 Dissertation off Campus Domest****MAT 701 Dissertation off Campus Intern**