

## Mathematical Sciences - Tentative Course Offering Schedule 2024-2028

### Mathematics

Math - 300-599 LEVEL COURSES		YEAR ONE: 2024-2025		YEAR TWO: 2025-2026		YEAR THREE: 2026-2027		YEAR FOUR: 2027-2028	
COURSE #	TITLE OF COURSE	FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
305	Introduction to Mathematical and Computational Modeling		X		X		X		X
313	Linear Programming and Optimization	X		X		X		X	
315	Mathematical Programming and Optimization		X		X		X		X
318	Topics in Discrete Mathematics			X				X	
320	Introduction to Differential Equations	e		X		e		X	
322	Introduction to Partial Differential Equations		e		X				X
325	Vector Analysis		X		X		X		X
341	Sem: Intro to the Language & Practice of Mathematics	e	X	e	X	e	X	e	X
405	Mathematical Models and Applications	X				X			
413	Introduction to Numerical Analysis	X		X				X	
415	Scientific Computing		X			X			
417	Computational Linear Algebra		X				X		
431	Modern Algebra with Applications	X		X		X		X	
451	Axiomatic Geometry (late afternoon offering)	X		X		X		X	
523	Advanced Calculus	X		X		X		X	
524	Advanced Calculus - Cont of 523		X						
531	Modern Algebra		X		X		X		e
535	Linear Algebra	X		X		X		e	
551	Elementary Topology						X		
553	Differential Geometry				X				X
575	Topics: High School Math from an Advanced Viewpoint		e		e		e		e
583/783	Introduction to Probability Models		X		X		X		X

e=evening (4:30pm and later)

*continued on page 2*

Some additional 300-500-level classes are offered each semester, based on student and faculty interest.

**Also see 600- Level U/G courses on the following page**

**NOTICE:** This Course Offering Schedule is subject to change without notice. Please see UWM's Schedule of Classes on the UWM Web Site for the current Timetable.

## Mathematics - Course Offering Schedule - page 2

<b>Math - 600 LEVEL COURSES &amp; ABOVE</b>		YEAR ONE: 2024-2025		YEAR TWO: 2025-2026		YEAR THREE: 2026-2027		YEAR FOUR: 2027-2028	
COURSE #	TITLE OF COURSE	FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
603/703	Advanced Engineering Mathematics I	X				X			
604/704	Advanced Engineering Mathematics II		X				X		
610/710	Numerical PDEs			X				X	
617/717	Optimization				X				X
623/723	Introduction to Analysis I	X		X		X		X	
624/724	Introduction to Analysis II		X		X		X		X
635/735	Modern Algebra I	X		X		X		X	
636/736	Modern Algebra II		X		X		X		X
783	Introduction to Probability Models		X		X		X		X
803	Industrial Mathematics I			X				X	
804	Industrial Mathematics II				X				X
810	Numerical Analysis I	X				X			
811	Numerical Analysis II		X				X		
816	Ordinary Differential Equations			X				X	
819	Partial Differential Equations				X				X
823	Theory of Functions of a Real Variable I	X		X		X		X	
824	Theory of Functions of a Real Variable II		X		X		X		X
825	Functional Analysis I			X				X	
827	Theory of Functions of a Complex Variable I	X				X			
828	Theory of Functions of a Complex Variable II		X				X		
835	Abstract Algebra I	X		X		X		X	
836	Abstract Algebra II		X		X		X		X
855	Introductory Topology I	X		X		X		X	
856	Introductory Topology II		X		X		X		X
857	Introduction to Algebraic Topology I	X				X			
858	Introduction to Algebraic Topology II		X				X		
883	Theory of Probability			X				X	
884	Stochastic Calculus and Applications				X				X
893	Scientific Computational Laboratory		X				X		

Some additional 800 and 900 level classes are offered each semester, based on student and faculty interest.

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## Mathematical Sciences - Tentative Course Offering Schedule 2024-2028

*This pdf lists the **anticipated** course offering schedule for Actuarial Sciences, Mathematics, and (Mathematical) Statistics Courses at the 300 level and above over the next four years.*

Please note Probability courses are listed under Math, not MthStat. If you are unsure where a course belongs, look in both sheets.

This schedule is **provisional** - it is still under consideration by the department of Mathematical Sciences and is subject to change without notice. We will remove this note when the course rotation schedule is finalized.

## Mathematical Sciences - Tentative Course Offering Schedule 2024-2028

### Mathematical Statistics and Actuarial Science

<b>MthStat 300 LEVEL COURSES &amp; ABOVE</b>		YEAR ONE: 2024-2025		YEAR TWO: 2025-2026		YEAR THREE: 2026-2027		YEAR FOUR: 2027-2028	
COURSE #	TITLE OF COURSE	FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
361	Introduction to Mathematical Statistics	X	X	X	X	X	X	e	X
362	Introduction to Mathematical Statistics	X	X	X	X	X	X	X	e
563/763	Regression Analysis	X		X		X		X	
564/764	Time Series Analysis		X		X		X		X
566/766	Computational Statistics	X		X		X		X	
568/768	Multivariate Analysis		X		X		X		X
871	Mathematical Statistics I	X		X		X		X	
872	Mathematical Statistics II		X		X		X		X
<b>ACTSCI 300 LEVEL COURSES &amp; ABOVE</b>		YEAR ONE: 2024-2025		YEAR TWO: 2025-2026		YEAR THREE: 2026-2027		YEAR FOUR: 2027-2028	
COURSE #	TITLE OF COURSE	FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
391	Investment Mathematics I	X	X	X	X	X	X	X	X
490	Introduction to Actuarial Practice	X		X		X		X	
491	Actuarial Workshop FM	X	X	X	X	X	X	X	X
492	Actuarial Workshop P	X	X	X	X	X	X	X	X
591/791	Investments Mathematics II	X				X			
593/793	Actuarial Models I	X		X		X		X	
594/794	Actuarial Models II		X				X		
596/796	Actuarial Statistics I: Fitting of Loss Models	X		X		X		X	
597/797	Actuarial Statistics II: Credibility, Risk Measures & Rel. Topics				X				X
599	Capstone in Actuarial Science	X	X	X	X	X	X	X	X
891	Actuarial Risk Theory				X				X
895	Topics in Actuarial Science		X				X		

e = evening (4:30pm and later)

Additional 900-level statistics classes are sometimes offered, based on student and faculty interest.

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