

## Q2S Binder for Mathematics

### General Info

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### Department/School Info

**College:** A&S(null)

**Department:** MATH(Mathematics)

**Mission:** The mission of the Ohio University Department of Mathematics is to pursue teaching, research and service in the area of mathematics.

Our department teaches both undergraduate and graduate students with a wide range of abilities and needs. At all levels, we instruct students in the rigor and precision characteristic of mathematical reasoning. Through our introductory courses, we provide the setting for any student to become acquainted with the elementary tools of mathematics and the techniques to use them. We provide students from disciplines that require a strong background in mathematics the opportunity to acquire the mathematical knowledge and the reasoning skills necessary to make effective use of mathematics. Through a program that emphasizes the beauty and applicability of mathematics, we also provide the setting and support for students majoring in mathematics to develop a required understanding and appreciation of mathematics as a creative discipline.

At the graduate level the department teaches students seeking knowledge of advanced mathematics for either application to other areas or for its own sake. Students at the master's level acquire a solid understanding of mathematics and the ability to apply it effectively. Doctoral students acquire the experience necessary to do original research in mathematics, as well as the versatility to connect mathematics with other fields.

In research, we extend the frontier of mathematical knowledge by producing quality research with original results and by collaborating with other disciplines. Our research mission complements our teaching mission; a strong research program is essential for the development of future mathematicians.

The Department of Mathematics is committed to serving the academic community and the public at large. At the national and international level, we serve the mathematical community by participating in its activities and by educating and supporting new mathematical scholars. We also serve the broader community through outreach initiatives, and by fostering public understanding of the power of mathematics and its role as a fundamental mode of human thought.

### Programs

Moving to Semesters	Code	Name	Degree	Status	Level
Yes	BS3105	ACTUARIAL SCIENCE	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	BS3103	APPLIED MATHEMATICS	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	BA3101	B.A. MATHEMATICS	BACHELOR OF ARTS	REVIEW	UCC
Yes	BS3101	B.S. MATHEMATICS	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	BS1903	HTC MATHEMATICS	BACHELOR OF SCIENCE IN MATHEMATICS	REVIEW	UCC
No	BA3105	MATH PREP. FOR ACTUARIAL SCI	BACHELOR OF ARTS	REVIEW	UCC
No	BA3110	MATH/METEOROLOGY	BACHELOR OF ARTS	REVIEW	UCC
Yes	BS3106	MATHEMATICAL STATISTICS	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	BS3110	METEOROLOGY/MATH	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	OR3101	MATHEMATICS MINOR	MATHEMATICS MINOR	REVIEW	UCC
Yes	MS3101	MATHEMATICS	MASTER OF SCIENCE	REVIEW	UCC
Yes	MS3111	MATHEMATICS	MASTER OF SCIENCE	REVIEW	UCC
Yes	PH3101	MATHEMATICS	DOCTOR OF PHILOSOPHY	REVIEW	UCC
Yes	SCMATH	SCMATH Shared Components	N/A	REVIEW	UCC

### Courses

Course ID	Name	Course Type	Doc. Type	Doc. Status	Review Level
MATH 1090	CONSUMER MATHEMATICS	TIER1	EXPEDITED	REVIEW	UCC
MATH 1101	ELEMENTARY TOPICS IN MATH I	TIER1	EXPEDITED	REVIEW	UCC
MATH 1102	ELEMENTARY TOPICS IN MATH II	TIER1	EXPEDITED	REVIEW	UCC
MATH 1200	COLLEGE ALGEBRA	TIER1	EXPEDITED	REVIEW	UCC
MATH 1250	INTRODUCTORY GAME THEORY	UNDERGRAD	EXPEDITED	REVIEW	UCC
MATH 1260	FINITE MATH	UNDERGRAD	EXPEDITED	REVIEW	UCC
MATH 1300	PRE-CALCULUS	TIER1	EXPEDITED	REVIEW	UCC
MATH 1321	ELEMENTARY APPLIED MATH I	TIER1	EXPEDITED	REVIEW	UCC
MATH 1322	ELEMENTARY APPLIED MATH II	TIER1	EXPEDITED	REVIEW	UCC
MATH 1350	Survey of Calculus	TIER2	EXPEDITED	REVIEW	UCC
MATH 2110	INTRO GEOMETRY		EXPEDITED	REVIEW	UCC

MATH 2301	CALCULUS I	TIER2	EXPEDITED	REVIEW	UCC
MATH 2302	CALCULUS II	TIER2	EXPEDITED	REVIEW	UCC
MATH 2500	INTRO STATS	TIER1	EXPEDITED	REVIEW	UCC
MATH 2970T	MATH TUTORIAL		COMPOSITE	REVIEW	UCC
MATH 2971T	MATH TUTORIAL		COMPOSITE	REVIEW	UCC
MATH 2980T	MATH TUTORIAL		COMPOSITE	REVIEW	UCC
MATH 2981T	MATH TUTORIAL		COMPOSITE	REVIEW	UCC
MATH 3000	HISTORY OF MATH		EXPEDITED	REVIEW	UCC
MATH 3050	DISCRETE MATH		EXPEDITED	REVIEW	UCC
MATH 3070	INTRO TO NUMBER THEORY		EXPEDITED	REVIEW	UCC
MATH 3110	COLLEGE GEOMETRY		EXPEDITED	REVIEW	UCC
MATH 3200	Applied Linear Algebra		EXPEDITED	REVIEW	UCC
MATH 3210	LINEAR ALGEBRA		EXPEDITED	REVIEW	UCC
MATH 3240	ABSTRACT ALGEBRA		EXPEDITED	REVIEW	UCC
MATH 3300	CALCULUS III		EXPEDITED	REVIEW	UCC
MATH 3320	VECTOR ANALYSIS		EXPEDITED	REVIEW	UCC
MATH 3400	DIFFERENTIAL EQUATIONS		EXPEDITED	REVIEW	UCC
MATH 3500	PROBABILITY		EXPEDITED	REVIEW	UCC
MATH 3600	Applied NUMERICAL METHODS		EXPEDITED	REVIEW	UCC
MATH 3680	QUANT FOUND BIOINFO		EXPEDITED	REVIEW	UCC
MATH 3970T	MATHEMATICS TUTORIAL		COMPOSITE	REVIEW	UCC
MATH 3980T	MATHEMATICS TUTORIAL		COMPOSITE	REVIEW	UCC
MATH 4100	TEACH OF MATH IN SEC SCH		EXPEDITED	REVIEW	UCC
MATH 4100L	TEACH OF MATH EARLY FIELD EXP		SEMESTER	REVIEW	UCC
MATH 4150	ADV PRSP MATH TCHRS	UNDERGRAD	SEMESTER	REVIEW	UCC
MATH 4221	MODERN ALGEBRA I		EXPEDITED	REVIEW	UCC
MATH 4222	MODERN ALGEBRA II		EXPEDITED	REVIEW	UCC
MATH 4230	ALGEBRAIC CODING THEORY		EXPEDITED	REVIEW	UCC
MATH 4301	ADVANCED CALCULUS I		COMPOSITE	REVIEW	UCC
MATH 4302	ADVANCED CALCULUS II		COMPOSITE	REVIEW	UCC
MATH 4310	COMPLEX VARIABLES		EXPEDITED	REVIEW	UCC
MATH 4330	Hilbert Spaces	UNDERGRAD	SEMESTER	REVIEW	UCC
MATH 4400	DIFFERENTIAL EQUATIONS		EXPEDITED	REVIEW	UCC
MATH 4410	FOURIER ANAL & PDE		EXPEDITED	REVIEW	UCC
MATH 4470	Applied Dynamical Systems	UNDERGRAD	SEMESTER	REVIEW	UCC
MATH 4500	THEORY OF STATISTICS		EXPEDITED	REVIEW	UCC
MATH 4510	APPLIED STATISTICS		EXPEDITED	REVIEW	UCC
MATH 4520	STOCHASTIC PROCESSES		EXPEDITED	REVIEW	UCC
MATH 4530	STATISTICAL COMPUTING		EXPEDITED	REVIEW	UCC
MATH 4550	ACTUARIAL SCIENCE		EXPEDITED	REVIEW	UCC
MATH 4560	TH OF INTEREST & LIFE CON		EXPEDITED	REVIEW	UCC
MATH 4600	Intro NUMERICAL ANALYSIS		COMPOSITE	REVIEW	UCC
MATH 4610	WAVELETS & APPLICATIONS		EXPEDITED	REVIEW	UCC
MATH 4620	Linear & Nonlinear Opt		EXPEDITED	REVIEW	UCC
MATH 4630	Discrete Modeling		EXPEDITED	REVIEW	UCC
MATH 4700	Introduction to Topology		COMPOSITE	REVIEW	UCC
MATH 4930	STUDIES IN MATHEMATICS		EXPEDITED	REVIEW	UCC
MATH 4940	Mathematics Research	UNDERGRAD	SEMESTER	REVIEW	UCC
MATH 4970T	MATHEMATICS TUTORIAL		EXPEDITED	REVIEW	UCC
MATH 4980T	MATHEMATICS TUTORIAL		EXPEDITED	REVIEW	UCC
MATH 4993	Undergraduate Math Seminar I	UNDERGRAD	SEMESTER	REVIEW	UCC
MATH 4994	Undergraduate Math Seminar II	UNDERGRAD	SEMESTER	REVIEW	UCC
MATH 5000	HISTORY OF MATH	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5070	INTRO TO NUMBER THEORY	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5100	TEACH OF MATH IN SEC SCH	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5100L	TEACH OF MATH EARLY FIELD EXP	GRADUATE	SEMESTER	REVIEW	UCC
MATH 5110	COLLEGE GEOMETRY	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5120	COLL MATH TCHNG NEW TA'S		EXPEDITED	REVIEW	UCC
MATH 5200	Applied Linear Algebra	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5210	LINEAR ALGEBRA	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5221	MODERN ALGEBRA I	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5222	MODERN ALGEBRA II	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5230	ALGEBRAIC CODING THEORY	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5301	ADVANCED CALCULUS I	GRADUATE	COMPOSITE	REVIEW	UCC
MATH 5302	ADVANCED CALCULUS II	GRADUATE	COMPOSITE	REVIEW	UCC

MATH 5310	COMPLEX VARIABLES	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5320	VECTOR ANALYSIS	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5330	Hilbert Spaces	GRADUATE	SEMESTER	REVIEW	UCC
MATH 5400	DIFFERENTIAL EQUATIONS	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5410	FOURIER ANAL & PDE	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5470	Applied Dynamical Systems	GRADUATE	SEMESTER	REVIEW	UCC
MATH 5500	THEORY OF STATISTICS	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5510	APPLIED STATISTICS	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5520	STOCHASTIC PROCESSES	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5530	STATISTICAL COMPUTING	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5550	ACTUARIAL SCIENCE	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5560	THEORY OF INTEREST & LIFE CON	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5600	Intro NUMERICAL ANALYSIS	GRADUATE	COMPOSITE	REVIEW	UCC
MATH 5610	WAVELETS & APPLICATIONS	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5620	Linear & Nonlinear Opt	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5630	Discrete Modeling	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5680	QUANT FOUND BIOINFO	GRADUATE	EXPEDITED	REVIEW	UCC
MATH 5700	Introduction to Topology	GRADUATE	COMPOSITE	REVIEW	UCC
MATH 5910	INTERNSHIP		EXPEDITED	REVIEW	UCC
MATH 5960	Seminar	GRADUATE	SEMESTER	REVIEW	UCC
MATH 6221	Algebra I		COMPOSITE	REVIEW	UCC
MATH 6222	Algebra II		COMPOSITE	REVIEW	UCC
MATH 6231	Coding Theory I		COMPOSITE	REVIEW	UCC
MATH 6232	Coding Theory II		COMPOSITE	REVIEW	UCC
MATH 6301	ANALYSIS I		COMPOSITE	REVIEW	UCC
MATH 6302	ANALYSIS II		COMPOSITE	REVIEW	UCC
MATH 6310	COMPLEX ANALYSIS		EXPEDITED	REVIEW	UCC
MATH 6320	FUNCTIONAL ANALYSIS		EXPEDITED	REVIEW	UCC
MATH 6330	Fourier Analysis	GRADUATE	SEMESTER	REVIEW	UCC
MATH 6400	Ordinary Differential Eqns		EXPEDITED	REVIEW	UCC
MATH 6411	Partial Differential Eqns I		EXPEDITED	REVIEW	UCC
MATH 6412	Partial Differential Eqns II		EXPEDITED	REVIEW	UCC
MATH 6420	Variations & Optimal Control		SEMESTER	REVIEW	UCC
MATH 6470	Dynamical Systems	GRADUATE	SEMESTER	REVIEW	UCC
MATH 6500	Mathematical Statistics	GRADUATE	SEMESTER	REVIEW	UCC
MATH 6510	LINEAR MODELS		EXPEDITED	REVIEW	UCC
MATH 6520	EXPERIMENTAL DESIGN		EXPEDITED	REVIEW	UCC
MATH 6530	TIME SERIES ANALYSIS		EXPEDITED	REVIEW	UCC
MATH 6640	NUMER ANALYSIS LINEAR ALG		EXPEDITED	REVIEW	UCC
MATH 6650	NUM ANALYSIS: APPROX METH		EXPEDITED	REVIEW	UCC
MATH 6660	NUMER ANALYSIS DIFFER EQN		EXPEDITED	REVIEW	UCC
MATH 6700	POINT SET TOPOLOGY		COMPOSITE	REVIEW	UCC
MATH 6710	ALGEBRAIC TOPOLOGY		COMPOSITE	REVIEW	UCC
MATH 6750	SET THEORY		COMPOSITE	REVIEW	UCC
MATH 6930	INDEPENDENT STUDY		EXPEDITED	REVIEW	UCC
MATH 6940	COMPUTATIONAL PROJECT		EXPEDITED	REVIEW	UCC
MATH 6942	Math Ed Project	GRADUATE	SEMESTER	REVIEW	UCC
MATH 6950	THESIS		EXPEDITED	REVIEW	UCC
MATH 7000	Topics in Foundation, History		EXPEDITED	REVIEW	UCC
MATH 7010	TOPICS IN NUMBER THEORY		SEMESTER	REVIEW	UCC
MATH 7100	TOPICS IN TEACHING MATH		EXPEDITED	REVIEW	UCC
MATH 7150	TOPICS IN GEOMETRY		EXPEDITED	REVIEW	UCC
MATH 7200	TOPICS IN ALGEBRA		EXPEDITED	REVIEW	UCC
MATH 7300	TOPICS IN ANALYSIS		EXPEDITED	REVIEW	UCC
MATH 7400	TOPICS DIFFERENTIAL EQN		SEMESTER	REVIEW	UCC
MATH 7500	TOPICS PROB STAT & STOCH		EXPEDITED	REVIEW	UCC
MATH 7600	TOPICS IN APPLIED MATHEMATICS		EXPEDITED	REVIEW	UCC
MATH 7700	TOPICS IN TOPOLOGY		EXPEDITED	REVIEW	UCC
MATH 8950	DISSERTATION		EXPEDITED	REVIEW	UCC
MATH 8960	SEMINAR		EXPEDITED	REVIEW	UCC
MATH D005	Elementary Algebra	DEVELOPMENT	EXPEDITED	REVIEW	UCC
MATH D300	PLTL LAB FOR MATH 1300	DEVELOPMENT	EXPEDITED	REVIEW	UCC
MATH D301	PLTL LAB FOR MATH 2301	DEVELOPMENT	EXPEDITED	REVIEW	UCC

**Exceptions - Credit Analysis**

Course ID	Name	Type	Credit Hours	Components	Doc. Status	Review Level
MATH 4993	Undergraduate Math Seminar I	SEMESTER	1.0	SEMINAR	2.0 REVIEW	UCC
MATH 6930	INDEPENDENT STUDY	EXPEDITED	1.0 - 10.0	INDEPENDENT	3.0 REVIEW	UCC
MATH 6950	THESIS	EXPEDITED	1.0 - 10.0	THESIS	3.0 REVIEW	UCC
MATH 7100	TOPICS IN TEACHING MATH	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7150	TOPICS IN GEOMETRY	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7200	TOPICS IN ALGEBRA	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7300	TOPICS IN ANALYSIS	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7400	TOPICS DIFFERENTIAL EQN	SEMESTER	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7500	TOPICS PROB STAT & STOCH	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7600	TOPICS IN APPLIED MATHEMATICS	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 7700	TOPICS IN TOPOLOGY	EXPEDITED	1.0 - 10.0	LECTURE	3.0 REVIEW	UCC
MATH 8950	DISSERTATION	EXPEDITED	1.0 - 15.0	THESIS	3.0 REVIEW	UCC

**Exceptions - Non Three Hour Lecture**

The Ohio University Faculty Senate Resolution on the Number of Semester Hours per Course and Course Meeting Times for Quarters to Semesters (<http://www.ohio.edu/facultysenate/upload/CourseHourTimeResolutionfinal4-2009.doc>) resolved that, as a norm, undergraduate lecture courses on the Athens Campus shall be 3 semester hours and that exceptions to these norms will be allowed on the basis of pedagogical justification specific to a course or course sequence.

Three-hour courses are important for balancing student schedules, and three lecture hour per week blocks are important for classroom utilization. It is understood that there are special cases where the 3-lecture hour course norm does not apply, sometimes for categories of courses (recitals or band), sometimes for disciplinary standards, and sometimes for other reasons.

For the semester courses taught by your department that do not meet the 3 lecture hour norm, give a brief explanation of why the norm was not followed and/or what circumstances make these deviations from the norm not create a problem with classroom scheduling or student schedules. (Notes: Categories of courses can be addressed as a group rather than individually. If you are using a 'disciplinary standard' argument, please make comparisons to Ohio Schools on semesters or to Ohio University peer schools on semesters. If you are using a block scheduling approach, please list the courses that will be block scheduled and identify the semester(s) where the block scheduling applies.)

**Reason:** No reason given

Course ID	Name	Type	Contact Hours	Doc. Status	Review Level
MATH 1200	COLLEGE ALGEBRA	EXPEDITED	4.0	REVIEW	UCC
MATH 1300	PRE-CALCULUS	EXPEDITED	4.0	REVIEW	UCC
MATH 1350	Survey of Calculus	EXPEDITED	4.0	REVIEW	UCC
MATH 2500	INTRO STATS	EXPEDITED	4.0	REVIEW	UCC