Collection Development Policy
Mathematics

Subject Librarian: Kirby Cheng

6/23/2021

Purpose of policy: To build a collection that serves the teaching, learning, and research needs of students taking mathematics courses and the faculty teaching those courses.

Program Description: The Department of Mathematical Sciences provides a broad education in quantitative reasoning and higher level mathematics that encourages creativity and emphasizes general concepts and approaches as well as specific job-related skills to prepare students for workplace responsibilities after graduation. We endeavor to perform original research and scholarship in mathematics, and to make our work available to the general scientific community.

In addition, the Department strives to provide all university students with a strong foundation in mathematics appropriate to their chosen fields. For instance, we seek to provide students in the sciences with a curriculum meeting the requirements of their disciplines, to provide students in business with essential skills in areas such as finite mathematics and calculus, and to provide students in education with material directed towards the teaching of elementary and secondary school mathematics.

Areas of established specialization: Quantitative reasoning, finite mathematics, calculus, teaching mathematics, numerical analysis, algebra, number theory, geometries, mathematical reasoning, differential equations, statistics and probability

Changes in user population for most recent five years: Decrease in number of department faculty.

De
- **Master of Science in Applied Mathematics and Computer Science**
- **Bachelor of Science in Mathematics**
- **Bachelor of Science in Actuarial Science**
- **Bachelor of Arts in Mathematics**
- **Minor in Mathematics**

Clientele: The primary clientele are the undergraduate and graduate students, and the faculty of the Mathematics Department.

Collecting Guidelines: The Mathematics collection consists primarily of works written for the basic through graduate level and for basic faculty research.

Chronological periods collected: The collection emphasizes current material, with the primary purpose of supporting coursework, student research, and basic faculty research. Older imprints are acquired selectively.

Current Collecting Priorities: Journal article databases on the above listed topics with monographs and media items as supplements.

Language: The collection is primarily in English.

Geographic coverage: Coverage is worldwide, with an emphasis on the United States.

Types of Materials Included: Scholarly serials, monographs, essays, conference proceedings, videos, and electronic resources are collected.

Types of Materials Excluded: Pamphlets, newsletters, article reprints, textbooks, are not generally collected.

Reference: Reference material are selected by the Computer Science & Informatics subject librarian following the general subject parameters of the collection policy.

Interdisciplinary Considerations: Materials in computer science, business information management, and education may be selected to support the programs of study.

Location: Mathematics materials are housed in the Schurz Library and the Wiekamp Educational Resource Commons. Works specifically about the discipline are classified in the QA schedule of the Library of Congress system.

Databases: Math SciNet, Web of Science, Jastor, ScienceDirect

Row Labels		Count of Item ID
Algebra[QA150272]		**1086**
	MARC	1042
	MRDF	4
	SERIAL	1
	VM	39
AnalyticMechanics[QA801939]		**115**
	MARC	115
ComputerScience[QA7576]		**1749**
	MARC	1109
	MRDF	2
	SERIAL	633
	VM	5
ElementaryMathematics,Arithmetic[QA77141]		**1748**
	MARC	1462
	MRDF	39
	SERIAL	57
	SOUND	1
	VM	189
Geometry,Trigonometry[QA440799]		**674**
	MARC	636
	MRDF	1
	VM	37
MathematicalAnalysis(Calculus,etc)[QA300433]		**1026**
	MARC	970
	SERIAL	52
	VM	4
Mathematics(General)[QA174]		**2524**
	MARC	1403
	MRDF	2
	SERIAL	1043
	VM	76
Mathematics,NumericalAnalysis[QA281299]		**126**
	MARC	125
	VM	1
Probabilities[QA273275]		**270**
	MARC	255
	SERIAL	13
	VM	2
QA(AnyOther)		**8**
	MARC	8
Statistics[QA276280]		**644**
	MARC	595
	MRDF	1
	MUSIC	1
	SERIAL	45
	VM	2
Grand Total		**8221**