

Holdings Conspectus: Mathematics

Submitted by Paula Barnett-Ellis

November 4, 2024

| LC CLASS | DIVISIONS and CATEGORIES* | Number of titles | COLLECTION & LANGUAGE CODES ** | | | | |
|-------------|---|------------------|--------------------------------|----|----|----|--|
| | | | CL | AC | GL | PC | |
| QA1-QA699 | Mathematics | 10,335 | 3c | 3c | 3c | 2 | Including Computer Science. Ends at QA699, a change from previous conspectus ending at QA939 |
| QA1-74 | Mathematics (General) | 2,153 | 3c | 3c | 3c | | |
| QA77-699 | General Works, etc. | 5,720 | 3c | 3c | 3c | 2 | |
| QA1 | Periodicals | 141 | 2b | 2b | 3a | 2 | |
| QA3 | Collected Works | 187 | 3a | 3a | 3c | 2 | |
| QA5 | Dictionaries, Encyclopedias | 28 | 2b | 2 | 2b | 2 | |
| QA7 | Conferences, Essays | 40 | 2a | 2a | 2a | 2 | |
| QA8 | Philosophy of Mathematics | 35 | 2a | 2a | 2a | 2 | |
| QA9-10 | Mathematical Logic | 147 | 2b | 2b | 2b | 2 | |
| QA11-20 | Study & Teaching | 491 | 3b | 3b | 3b | 2 | Number lower than previous assessment due to weeding before major shifting project |
| QA21-35 | History, Biography | 315 | 3a | 3a | 3a | 2 | Used for a course taught by Dr. David Dempsey |
| QA36-75 | General Works, Tables, Instruments, etc. | 778 | 3b | 3b | 3b | 2 | |
| QA 75-76 | QA 75-76 assessed in Computer Science Division. | | | | | | See Computer Science and Computer Information Systems Conspectus |
| QA93-99 | Popular Works, Recreations | 237 | 3b | 3b | 3b | 2 | |
| QA101-149 | Numeration, Arithmetic, Elementary Mathematics | 751 | 3b | 3b | 3b | | |
| QA150-272.5 | Algebra | 1,415 | 3b | 3b | 3b | 2 | Good collection |
| QA150-162 | Algebra (General) | 376 | 3b | 3b | 3b | 2 | |

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| | | | CL | AC | GL | PC | |
| QA164-165 | Combinatorics | 47 | 3 | 3 | 3 | 2 | |
| QA166 | Graph Theory | 34 | 2a | 2a | 2a | 2 | |
| QA174-183 | Group Theory | 14 | 2a | 2a | 2a | 2 | |
| QA184-205 | Linear & Multi-linear Algebra, Matrix Theory | 71 | 3 | 3 | 3 | 2 | |
| QA221-224 | Approximations & Expansions | 14 | 2 | 2 | 2 | 2 | |
| QA241-247.5 | Number Theory | 208 | 2b | 2b | 2b | 2 | |
| QA251-255 | Ring Theory & Algebras, Recursive Functions | 120 | 3a | 3a | 3a | 2 | |
| QA267 | Machine Theory, Abstract Automata - General | 14 | 2 | 2 | 2 | 2 | |
| QA267.3 | Machine Theory - Formal Languages | 8 | 1b | 1b | 1b | 2 | |
| QA268 | Machine Theory - Coding Theory | 21 | 1b | 1b | 1b | 2 | |
| QA268.5 | Machine Theory - Switching Theory | 2 | 1a | 1a | 1a | 2 | |
| QA269-272 | Game Theory, Games, Gambling | 49 | 2b | 2b | 2b | 2 | |
| QA273-299 | Probabilities, Math. Stats., Interpolation, Numerical | 1,066 | 3b | 3b | 3b | 2 | Strong collection |
| QA273 | Probability Theory | 248 | 3b | 3b | 3b | 2 | |
| QA274 | Stochastic Processes | 44 | 2b | 2b | 2b | 2 | |
| QA275 | Theory of Errors | 11 | 1a | 1a | 1a | 2 | |
| QA276-280 | Mathematical Statistics | 566 | 3c | 3c | 3c | 2 | |
| QA281-295 | Interpolation, Sequences, Series | 44 | 2 | 2 | 2 | 2 | |
| QA297-299 | Numerical Analysis | 122 | 2c | 2c | 2c | 2 | |
| QA299.6-433 | Mathematical Analysis (General) | 1,320 | 3b | 3b | 3b | 2 | |
| QA303-329 | Calculus, Functional Analysis | 466 | 3b | 3b | 3b | 2 | |
| QA331-355 | Theory of Functions | 227 | 3b | 3b | 3b | 2 | |
| QA370-381 | Differential Equations, Differential Forms | 242 | 3b | 3b | 3b | 2 | |
| QA385-387 | Topological Groups/Lie Groups | 16 | 2 | 2 | 2 | 2 | |

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| | | | CL | AC | GL | PC | |
| QA401-433 | Analytical Methods in Physical Problems | 301 | 3c | 3b | 3b | 2 | |
| QA440-699 | Geometry, Topology | 900 | 3b | 3b | 3b | 2 | Good collection |
| QA440-469 | Geometry (General) | 276 | 3b | 3b | 3b | 2 | |
| QA564-608 | Algebraic Geometry, Transformation, Correspondence | 48 | 3 | 3 | 3 | 2 | |
| QA611 | General Topology | 130 | 3b | 3b | 3b | 2 | |
| QA612 | Algebraic Topology | 20 | 2 | 2 | 2 | 2 | |
| QA613-614 | Manifolds, Global Analysis | 14 | 2 | 2 | 2 | 2 | |
| QA641-699 | Differential Geometry | 113 | 3b | 3b | 3b | 2 | |

*Divisions and Categories: from *Super LCCS: Gale's Library of Congress classification schedules combined with additions and changes through 2016*, Science, Social Sciences and Technology.

**Collection & Language Codes explanation:

CL= Current Collection; AC= Acquisitions Commitment; GL= Collection Goal; PC= Preservation Commitment

3a: Basic Study or Instructional Support Level; 3b: Intermediate Study or Instructional Support Level; 3c: Advanced Study or Instructional Support Level; 4: Research Level

P: Primary (English) language of the country predominates-little or no other-language material

Preservation Commitment indicator 2: Physical Preservation Level. Material is retained for its useful life. Some cleaning and mending may be used to repair damage from normal use. For more information, visit Houston Cole Library *Collection Management & Development Policy* at:

<http://www.jsu.edu/library/information/policies.html>