

MATHEMATICS/STATISTICS  
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## I. DESCRIPTION

A. Purpose: To support instruction and research of the Department of Statistics. The Department is responsible for instructional programs through the Ph.D., for maintaining an appropriate level of statistics service teaching for students in other programs, for overseeing the operation of the Mathematical and Statistical Consulting Committee, and for encouraging research in theoretical and applied statistics, both within the Department and in cooperation with other researchers on campus.

B. History of Collection: Until recently, the Mathematics Librarian was responsible for collecting statistics materials that are basically mathematical and theoretical in nature. Most of the discipline-oriented applied statistical materials are collected by the subject librarians responsible for the discipline. With the shift in responsibility for collection development to the Mathematics-Statistics Librarian (Assistant Mathematics Librarian), a separate history for Mathematics-Statistics is just beginning.

C. Estimate of Holdings: 6,000 volumes (total reflects only those materials in the Mathematics Library and in the Bookstacks)

D. State, Regional, and National Importance: Mathematics-Statistics as a separate collection has received no recognition. The mathematics collection as a whole, however, is ranked as one of the three best in the U.S. (See Mathematics Fund statement)

E. Unit Responsible for Collecting: Mathematics Library.

F. Location of Materials: 4,000 volumes are held in the Mathematics Library; the other 2,000 are in the Bookstacks. Subject-related statistical materials are held in many departmental libraries including the Education and Social Science, Agriculture, Commerce, and Undergraduate Libraries.

G. Citations of Works Describing the Collection: None

## II. GENERAL COLLECTION GUIDELINES

A. Languages: Standard statement, but primarily English language materials.

B. Chronological Guidelines: No restrictions.

C. Geographical Guidelines: No restrictions.

D. Treatment of Subject: Standard statement. Collection efforts are aimed at acquiring both theoretical and applied materials without duplication of materials held in other departmental libraries, whenever possible.

- E. Types of Materials: Standard statement.
- F. Date of Publication: Standard statement.
- G. Place of Publication: No restrictions.

### III. COLLECTION RESPONSIBILITY BY SUBJECT SUBDIVISIONS WITH QUALIFICATIONS, LEVELS OF COLLECTING INTENSITY, AND ASSIGNMENTS

NOTE: With the establishment of the Statistics Department, the University has indicated that statistics teaching and research should be the responsibility of a separate unit. It follows that responsibility for collection development in all areas of statistics will also become centered in the Mathematics Library which serves this department. The following levels represent the Mathematics-statistics program only.

<u>SUBJECTS</u>	<u>ES</u>	<u>CL</u>	<u>DL</u>	<u>ASSIGNMENTS</u>
Applied probability	2	2	4	MATHEMATICS- STATISTICS/ EDUCATION/ COMMERCE/ ENGINEERING
Biomathematics	2	2	2	MATHEMATICS- STATISTICS/ BIOLOGY
Computational statistics	2	2	4	MATHEMATICS- STATISTICS/ ENGINEERING
Operations research	2	2	2	ENGINEERING/ COMMERCE/ mathematics- statistics
Probability and statistics/General	3	3	4	MATHEMATICS- STATISTICS
Probability theory	3	3	4	MATHEMATICS- STATISTICS
Regression and correlations	3	3	4	MATHEMATICS- STATISTICS
Sampling theory	3	3	4	MATHEMATICS- STATISTICS/ EDUCATION/ COMMERCE
Statistical inference	3	3	4	MATHEMATICS- STATISTICS
Statistical mathematics	3	3	4	MATHEMATICS- STATISTICS
Stochastic processes	3	3	4	MATHEMATICS- STATISTICS
Theory of errors	2	3	4	MATHEMATICS- STATISTICS