

PHYSICS, ASTRONOMY, AND GEOSCIENCES COLLECTION DEVELOPMENT POLICY STATEMENT

I. PURPOSE AND PROGRAM DESCRIPTION

A. Library Collection Development Objective

The library seeks to support the curricular and research needs for an undergraduate program and for teaching faculty in the areas of astronomy, engineering, geography (cultural, environmental, and physical), geology and physics.

B. Description of User Groups Supported

User groups supported include undergraduate students and faculty. Changes in user population in the last five years include new faculty in physics and geography, and a new director of the pre-engineering program. A new faculty member in physics is anticipated within two years.

C. New and Expanding Areas of Interest

Slight expansion in the areas of science education, cultural aspects of astronomy, and planetaria.

D. Areas of Established Specialization

The areas of established specialization include:

Astronomy: Planetary astronomy, galactic structure, interstellar medium, active galaxies, stellar spectroscopy.

Engineering: Mechanical, structural and electronic engineering.

Geography: Environmental geography (all aspects), water resources, cultural geography, demographics, geographic information systems (GIS), weather and climate.

Geology: Paleontology, hydrology, structural geology, mineralogy.

Physics: Analytical mechanics, Quantum mechanics, non-linear optics, astrophysics.

II. TREATMENT OF SUBJECT DEPTH

A. Treatment of Subject Depth

The library will support the Physics, Astronomy, and Geosciences Department by collecting materials in the following subject areas primarily at the Advanced Study or Instructional Support Level (3C), but also at the Basic Study or Instructional Support Level (3A) and the Intermediate Study or Instructional Support Level (3B).

SUBJECT SUBDIVISIONS	COLLECTING LEVEL
Astrophysics	3C
Civil Engineering	3C
Electronic Engineering	3C
Environmental and Cultural Geography	3C
General and Classical Physics	3C
Geographic Information Systems	3C
Mineralogy	3A
Non-linear Optics	3C
Observational Astronomy	3C
Paleontology	3C
Planetaria (History, Administration)	3B
Quantum Mechanics	3C
Relativity (Special and General)	3B
Stellar Spectroscopy	3C
Structural Geology	3C
Structural and Mechanical Engineering	3C

B. Specific Delimitations

Formats collected: Annuals, electronic, maps, monographs and periodicals extensively; Audiovisual, reference tools, and textbooks selectively; Dissertations and microform collections are excluded.

Imprint dates collected: 20th century and current, extensively; 19th century and earlier, selectively.

Chronological focus: 20th century and current, extensively; 19th century and earlier, selectively.

Languages collected: English, extensively; French, German, Russian, and Spanish, selectively.

Places of publication: North America, extensively; Western Europe, Asia, Latin America and Pacific Rim, selectively.