**Purpose:** To support the curricular and research needs of the Department of Physics and Astronomy. Degrees offered by the Department include: Bachelor of Science in Physics (available with an Astronomy concentration), Master of Science in Physics, Master of Science in Astronomy, Doctor of Philosophy in Physics, and Doctor of Philosophy in Astronomy. Areas of specialization include astrophysics, atomic physics, biophysics, condensed matter physics, high energy nuclear physics, active galactic nuclei, nearby stars, massive stars, binary stars, stellar masses, and optical interferometry.

**General Collection Guidelines:**

a. **Languages:** Primarily interested in English language materials.

b. **Treatment of Subject:** Research and graduate level materials are of primary importance, but consideration is also given to maintaining a strong undergraduate collection.

c. **Date of Publication:** Primarily interested in current materials. Some retrospective acquisition of classic or standard works not already in the collection.

d. **Types of Materials:** Periodicals are of primary importance. Selection will also include monographs, and proceedings/transactions of conference/congresses/symposia. Not much interest in media.

**Subject Subdivisions:**

<table>
<thead>
<tr>
<th>Collection Level</th>
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<tbody>
<tr>
<td><strong>QB1-991 Astronomy</strong></td>
</tr>
<tr>
<td>QB1-139 General (especially optics)</td>
</tr>
<tr>
<td>QB140-237 Practical and spherical astronomy</td>
</tr>
<tr>
<td>QB275-343 Geodesy</td>
</tr>
<tr>
<td>QB349-421 Theoretical astronomy and celestial mechanics</td>
</tr>
<tr>
<td>QB455-456 Astrogeology</td>
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<tr>
<td>QB460-466 Astrophysics</td>
</tr>
<tr>
<td>QB468-480 Non-optical methods of astronomy</td>
</tr>
<tr>
<td>QB495-903 Descriptive astronomy (includes planets)</td>
</tr>
<tr>
<td>QB500.5-785 Solar system</td>
</tr>
<tr>
<td>QB799-903 Stars (especially active galactic nuclei, nearby stars, massive stars, binary stars, and stellar masses)</td>
</tr>
<tr>
<td>QB980-991 Cosmogony. Cosmology</td>
</tr>
</tbody>
</table>
QC1-999 Physics
QC1-75 General
QC81-114 Weights and measures
QC120-168.85 Descriptive and experimental mechanics
QC170-197 Atomic physics. Constitution and properties of matter
including molecular physics, relativity, quantum theory,
solid state and condensed matter physics, nanophysics

QC221-246 Acoustics. Sound
QC251-338.5 Heat
QC310.15-319 Thermodynamics
QC350-467 Optics. Light
QC450-467 Spectroscopy
QC474-496.9 Radiation physics (General)
QC501-766 Electricity and magnetism
QC501-(721) Electricity
QC669-675.8 Electromagnetic theory
QC676-678.6 Radio waves (Theory)
QC701-715.4 Electric discharge
QC717.6-718.8 Plasma physics. Ionized gases
QC750-766 Magnetism (especially NMR spectroscopy)
QC770-798 Nuclear and particle physics. Atomic energy. Radioactivity
QC793-793.5 Elementary particle physics
QC794.95-798 Radioactivity and radioactive substances
QC801-809 Geophysics. Cosmic physics
QC811-849 Geomagnetism

The subjects below are not purchased for physics – picked up by Geosciences
QC851-999 Meteorology. Climatology Including the earth's atmosphere
QC974.5-976 Meteorological optics
QC980-999 Climatology and weather
QC994.95-999 Weather forecasting

Other Subjects
QH505 – Biophysics
T173.2-174.7 Technological change (Nanotechnology)
TK8300-8360 Photoelectronic devices (General)
TK9001-9401 Nuclear engineering. Atomic power
TL500-777 Aeronautics. Aeronautical engineering
TL780-785.8 Rocket propulsion. Rockets
TL787-4050 Astronautics. Space travel

Revised 11/06
S. Hardesty