

MEMORANDUM

TO: Kemble Yates
FROM: Paul Adalian, Dean of University Library; Jim Rible, Science Librarian
DATE: Feb 16, 2010
SUBJECT: Resources to support proposed Graduate Program in Applied Mathematics

The review process for new programs and certificates examines adequacy of resources needed to sustain a quality offering.

BOOKS

Hannon Library’s collections include very few books in advanced mathematics. Performing searches in our Library catalog using the titles of some of the proposed courses as keywords, e.g. “actuarial,” “applied linear algebra,” “cytometry” reveals either zero results or a few books that are over 10 years old. Despite the importance of currency for math courses, we have purchased fewer new books in recent years, including two years with no purchases due to one-time budget reductions. Virtually any book used to support this program would require the use of interlibrary loan.

PRINT JOURNALS

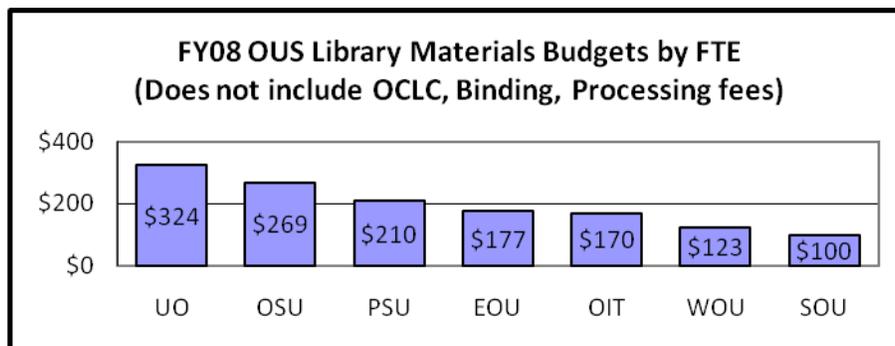
We currently subscribe to only 12 math journals, mostly in the field of teacher education.

DATABASES AND ONLINE JOURNALS

Hannon Library does not provide access to any math specific databases like *Mathematical Reviews*, but access to Academic Search Complete contains indexing and access to over 100 math journals covering a variety of topics in applied mathematics. Electronic databases containing the full text of journals have mitigated the loss of many of our print subscriptions. Academic Search Complete contains the full text of over 100 math journals and our subscriptions to online journal packages from academic publishers Springer and Wiley provide for improved access to advanced math topics.

GENERAL STATEMENT OF NEED

Hannon Library’s overall materials budget to purchases resources to support academic programs has decreased over years despite introduction of new programs. Hannon Library spends less on materials per FTE than any other OUS school.



ADEQUACY OF LIBRARY HOLDINGS TO SUPPORT PROPOSED PROGRAM

Hannon Library’s holdings of books and journals are barely adequate to support a Graduate Program in Applied Mathematics. We need funds to purchase current books (particularly e-books). We request a one-time allocation of \$1,000 to strengthen this area.

Thank you for the opportunity to review and respond to the proposal.