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2015-01 Library Impact Statement for MIC 420 Introduction to Biological Data Integration

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LIBRARY IMPACT STATEMENT (New Course Proposal)
LIBRARIAN'S ASSESSMENT

Subject selectors will complete this form as requested, assessing library materials and collections as detailed below. Send one copy of the assessment to the faculty member who requested it. Send one copy of the assessment to the Collection Management Officer.

Program: MIC 420

Department, College: Cell and Molecular Biology. CELS

Faculty Member: Professor Ying Zhang

Date returned to Faculty: January 6, 2015

Librarian Completing Assessment: Michael A. Cerbo II

Collection Management Officer: Professor Joanna Burkhardt

This new 3-credit course is titled "Introduction to Biological Data Integration" and the Professor expects the students to conduct some research using current periodicals in this subject area. Three textbooks were considered essential and the library currently has only one of the three. The other two will be ordered for the library collection, ensuring that the monographic needs are met. It is an interdisciplinary course involving computational biology, with a focus on metabolic network modeling and data integration.

We are able to add whatever appropriate monographic needs might arise for the instructor. Our monographic holdings in the microbiology, data integration, and biology are good and any additional materials can be garnered though our library consortium (HELIN).

Access to journals in this field meets the needs of the course. Our online indexes and abstracts in biology and microbiology specifically and the sciences generally should more than meet the demands of this course. In particular, access to reference databases such as PubMed, Environment Abstracts, Biological and Agricultural Index Plus, and the more general Academic Search Complete are available. We are unable to add any new journal titles except through a drop/add policy that requires the department to identify a journal title (of equal value) it would like to drop from its serials list to permit the addition of another. However, our current holdings in this field seem sufficient.

Therefore, the librarian believes that the Library can support, bibliographically, the needs of the students to be able to acquire the most out of this course.

Michael A. Cerbo II,
Cell and Molecular Biology Bibliographer
6 January 2015