

Librarians as Catalyst for Change in Medical Curriculum and Faculty Development

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Opportunity

In 1996, the University of Utah School of Medicine initiated a major curriculum revision. Librarians actively participated on committees, leading to partnerships with faculty.

Librarians as Change Agents

- Course committees:
 - Introduction to Medicine
 - Science of Medicine
 - Social Medicine
 - Topics In Medicine
- Librarians provided leadership
 - Involved with student learning in all four years of the program
 - Stimulated faculty development

Library As Catalyst

- Commitment to technology infrastructure
- Technology support
 - Provide computers and server space
 - Provide laptops and handhelds
 - Design Web pages for courses
 - Teach classes for faculty development
 - Create, design and develop online tutorials
 - Support online testing
- Facilities and space
- Librarians provide instruction for evidenced-based searching



Student Encounters

- 1st year: Orientation
 - Physical tour of library and Health Sciences Education Building
 - Resource orientation to library website and catalog
 - Introduction to searching in a relaxed interactive environment
- 2nd year: Pathology
 - Availability of wireless classroom changed the way the class was taught and enabled access to hospital information system and real patient cases
 - Computers also provided access to online background information and literature searching in the lab
 - Students developed and presented an autopsy case during lab



- 3rd year: Topics In Medicine
 - Obstetrics and Gynecology
 - Review of evidence-based searching
 - Students develop a case review as a 10-minute teaching moment
 - Pediatrics
 - Loan handheld devices and software
 - Instruct how to use device
 - Instruct how to find and evaluate software
 - Review evidence-based searching
 - Family Practice
 - Offer informatics project for honors
- 4th year: Public/Community Project
 - Distribute and maintain laptops
 - Provide instruction for remote access
 - Promote EndNote for research and publishing
 - Meet AAMC Informatics objective



Faculty Development

- Short classes and consultations
 - Access, EndNote, Excel, NCBI resources, PowerPoint, Photoshop, PubMed, Tablet PC and WebCT
- Curriculum enhancement, assisting faculty with student encounters

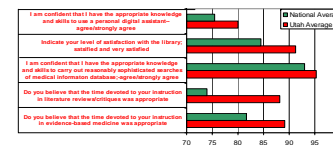
	# Students taught by librarians
– 2004-2005	838
– 2003-2004	974
– 2002-2003	2730 (includes Path Lab)
– 2001-2002	766
– 2000-2001	743
- Monthly technology forums
 - Team Learning, Videoconferencing, Digital Ink Technology, Digital Imaging, Simulated Learning, TK3 eBooks, copyright and the TEACH Act and PDAs
- Tablet PC Project
 - Initiated a Pilot Faculty Project
 - Developed a faculty training program including how to use in teaching
 - Emphasized use of Windows Journal for dynamic presentation of course material
 - Loan and maintain 66 tablets
- Modern technologies in new health sciences education building
 - Faculty tours
 - Classroom control system training
 - Digitizing faculty slides and videos
- Distance Education Technologies: Telehealth, Macromedia Breeze, etc.



Impact

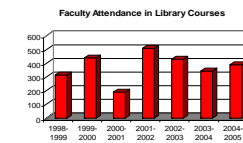
Students

Based on student responses to the **AAMC Medical School Graduate Questionnaire**, University of Utah School of Medicine consistently ranks above the national average in areas where librarians interact with the curriculum and faculty.



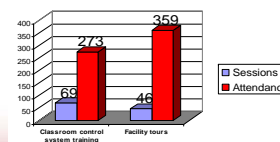
Faculty

Through collaboration and instruction librarians have made it is easier for faculty to advance their knowledge, skills and attitudes toward integrating technologies in teaching.



Eccles Health Sciences Library

A new interdisciplinary education building opened in 2005 integrating state-of-the-art technologies. Due to a history of successful partnerships with health sciences faculty, the library has responsibility for its administration, technology, training.



Educational Change



- Pre-1996 Traditional Curriculum
 - Lecture
 - Limited small group learning
 - Cramped classrooms
 - Outdated technology
 - Antiquated lab space
- 1996-2005 Curriculum Revision
 - Less lecture, more small group learning
 - Emphasis on life-long learning skills
 - Develop a search question using the PICO model; search literature with an evidence-based focus; critically evaluate the literature; feedback on presentation skills
 - Implemented online testing
 - Increased interaction between students and librarians, and faculty and librarians
 - Positive student evaluations
- 2005 forward
 - New classrooms with state-of-the-art instruction technologies
 - Space for small group learning
 - Team learning experimentation
 - In the near future, the School of Medicine will re-examine their curriculum
 - Librarians look forward to being involved in the process



Acknowledgements: Many thanks to our colleagues Rebecca Ashurst, Laurie Marcotte, Allyson Mower and April Nielsen for help with compiling the statistics used in this poster.



March 9, 2006