

Title of Clerkship: Mastering the Biomedical Literature: Skill Sets for the Virtual Environment

Elective Type: Fourth Year Elective

Department: Mulford Health Science Library

Clerkship Site: Computer Learning Resource Center, 6th Floor, Mulford Health Science Library, University of Toledo Health Science Campus

Course Number: COMP 702

Blocks available: 20A, 21A, and 22B

Number of students per block: 8 or permission of course director

Faculty: Jodi Jameson, MLIS; Misa Mi, PhD, MLIS; Jolene Miller, MLS; Gerald Natal, MLIS; Marlene Porter, MLn

Elective Description/Requirements: Because of the increasing volume of available information and increasingly busy schedules, practitioners requires a high degree of skill in identifying and obtaining relevant information for clinical practice, research, and life-long learning. This elective is designed to equip students with core information management skills in support of clinical decision-making and evidence-based health care. The elective meets for two weeks, Monday through Friday, with approximately two hours per day spent in contact with instructors (10:00 AM - 12:00 noon).
 Students are expected (1) to participate fully in class discussion and activities; (2) to raise questions about issues which are confusing to them; (3) take advantage of opportunities for formative evaluation, including in-class assignments and presentation of search strategies for feedback; (4) to make use of time outside of class to practice the skills learned in class; and (5) to demonstrate knowledge and skills through the completion of in-class assignments and a final oral presentation.

Length of Clerkship: 2 weeks

Links to EPOs: **Educational Course Objectives (ECOs):**

- P3** 1. Analyze an information need by identifying the current level of knowledge, the desired level of knowledge, and the type of information needed to reach the desired level of knowledge, including finding information for patients and their families.
- S11** 2. Compare and contrast the type of information found in each class of resources and to select sources based on the information need.
- S11** 3. Develop and execute search strategies in a variety of online resources (PubMed, Internet, etc.) that will effectively and efficiently produce precise search results.
- S1** 4. Identify and use resources in support of presentation and publication, such as Instructions to Authors, bibliographic management software (EndNote), journal impact factors, and presentation software (PowerPoint).
- S11** 5. Describe the process of evidence-based medicine and why some types of articles provide stronger evidence than others, and to use EBM resources such as the Cochrane Library and the PubMed's Clinical Queries feature.

- S11 6. Describe issues influencing information retrieval and use, including the structure of the scientific literature, legal and ethical issues (copyright), quality filtering, and open-access publishing.
- S11 7. Develop a personal information management plan to keep on top of the literature in a specialty using web tools such as emailed table of contents, My NCBI, RSS feeds, Google Readers, etc.
- S1 8. Demonstrate personal understanding of issues and application of skills through a final oral presentation.

Professionalism: UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives, particularly with respect to professionalism in interactions with instructors and classmates, as well as punctuality and attentiveness.

Instructional Methods:

- Lecture
- Demonstration
- Group discussion
- Hands-on practice

Evaluation methods employed:

- In-class assignments
- Quiz
- Final oral presentation
- Participation in class activities and discussions
- Attendance
- Professionalism assessment

Prerequisites: None

Clerkship Director: Misa Mi, PhD, MLIS

Director:

Clerkship Coordinator: Misa Mi, PhD, MLIS

Phone Number: 419.383.3634

Email: misa.mi@utoledo.edu

Special Requirements:

none

AAMC Hot Topics Addressed in this Elective Clerkship:

- Evidence-based medicine
- Patient health information
- Research methods
- Medical informatics