



Medical Informatics

LAMP 7195

2026

SYLLABUS STATEMENT

This course was designed by a team of faculty utilizing the evidence-based design processes. The purpose of the syllabus is to provide clarity about course expectations and contact information. Consider using this document as a guide for the course and to provide transparency and accountability for all.

COURSE DESCRIPTION

Medical Informatics, which encompasses applied Clinical Informatics, is the use of computer, management and information sciences to solve problems in medicine, health care delivery, and medical research. Selected readings will be available, depending on the student's background, interests and training. Students will work on a project under the supervision of faculty and/or fellows in the Institute of Health Informatics. The specific project will depend on mentor availability and the student's background, interests and experience. Sample projects have included: computer-assisted education for medical students or patients, computer-based medical decision support systems, creation of clinical database management systems, statistical analysis of data from clinical records, interface design for electronic health record (EHR) systems.

Clinical Sites: FU: 780 Mayo Memorial Building, Fairview University Medical Center, Harvard Street at East River Road, Minneapolis, MN 55455

Prerequisites: none

Terms offered: Arranged

Length of Clerkship: 4 Weeks, 4 credits

Grading Scale: H/E/S/N

CANVAS SITE

NA

CLERKSHIP DIRECTOR

[Role descriptions & how they can assist](#)

Michelle Stoffel, MD, PhD
stoff129@umn.edu

CLERKSHIP COORDINATOR

[Role descriptions & how they can assist](#)

Martha Meyer
meye4091@umn.edu

REFERENCES & ALIGNMENT TO GRADUATION REQUIREMENTS

Institutional Goals & Objectives	Entrustable Professional Activities	Methods of Instruction
UMN Competencies Required for Graduation	Refer to EPAs	Refer to AAMC Categories

CLERKSHIP CURRICULUM ALIGNMENT TABLE

Clerkship Learning Objective	Assessment (use AAMC assessment categories + clerkship language)	Graduation Competencies	Graduation Competencies Subdomain	Entrustable Professional Activities (EPAs)
1. Describe the breadth of the discipline of medical/clinical informatics from current literature	Supervisor Evaluation (AM002)	Knowledge for Practice	KP1	
2. Identify informatics-related areas of personal interest and relevance	Supervisor Evaluation (AM002)	Knowledge for Practice	KP1	
3. Plan, carry out (if feasible within the timeframe), evaluate and write up an informatics research or quality improvement project	Supervisor Evaluation (AM002)	Scientific and Clinical Inquiry	SCI1	
4. Recognize problems occurring during, after implementation of clinical computer applications	Supervisor Evaluation (AM002)	System-Based Practice	SBP2	13
5. Identify avenues for possible dissemination of project	Supervisor Evaluation (AM002)			
6. Discuss how project can contribute to informatics research, education and practice	Supervisor Evaluation (AM002)	Scientific and Clinical Inquiry	SCI1	
7. Demonstrate professional behaviors and the highest ethical standards at all times including timeliness, preparedness, reliability, and respect.	Supervisor Evaluation (AM002) Participation (AM012)	Professionalism	P1, P2, P3, P5	9, 12
8. Seek and incorporate feedback, engage in self-reflection, identify gaps in knowledge, and seek out professional development opportunities.	Supervisor Evaluation (AM002)	Practice-Based Learning and Improvement	PBLI1, PBLI2, PBLI5 PPD2, PPD4	9, 12

		Personal and Professional Development		
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[Learning goals aligned to Graduation Competencies](#)

<u>Methods of Assessment - Formative & Summative</u>	<u>Methods of Instruction</u>
<i>Exam (AM004)</i> <i>Narrative assessment (AM010)</i> <i>Oral patient presentation (AM011)</i> <i>Participation (AM012)</i> <i>Self-assessment (AM017)</i>	<i>Case-based instruction (IM001)</i> <i>Concept mapping (IM004)</i> <i>Discussions (IM007, IM008)</i> <i>Independent learning (IM010)</i> <i>Lecture (IM013)</i> <i>Patient presentation (IM015, IM016, IM031)</i> <i>Peer teaching (IM017)</i> <i>Problem-based learning (IM019)</i> <i>Reflection (IM020)</i> <i>Self-directed learning (IM023)</i> <i>Team-based learning (IM026)</i> <i>Team-building (IM027)</i> <i>Tutorial (IM028)</i> <i>Workshop (IM030)</i>

GRADING AND ASSESSMENT

Graded Element Description	Summative or Formative	Timing	Grading Scale	Percentage of Final Course Grade
Supervisor evaluation of quality of independent project and slide deck report.	Summative	End of rotation	H/E/S/N	100%
Threshold Element Description	Summative or Formative	Timing	Grading Scale	
Regular and timely attendance at worksites and conferences, as scheduled	Formative	Daily	Pass/No Pass	
Professionalism in interactions with faculty, residents, and staff	Formative	Daily	Pass/No Pass	
Communicates information effectively with all healthcare team members	Formative	Daily	Pass/No Pass	

Clinical Performance Distinctions:

Grade	%
Honors	88-100%
Excellent	73-87.99%
Satisfactory	50-72.99%
Fail	<50%

ATTENDANCE REQUIREMENTS

- **Excused Absences:** Please see the Medical School's [Attendance Requirements and Excused Absence Policy](#) for details/process related to absences.
- **Important Note - Regarding Clinical Practicals:**
You are informed of exam times well in advance of the exam and it is your professional responsibility to complete each exam at the scheduled time.
 - In order to reschedule a Clinical Practical, you must notify your Course Director and Course Manager **immediately**

COURSE EVALUATION REQUIREMENTS

Student course evaluations represent an important contribution to the educational stewardship of the U of MN Medical School. Each year, the curriculum is carefully re-evaluated in the light of specific student suggestions, and student feedback is taken very seriously. Therefore, completing the course evaluation for each course is a required professional expectation of medical students. The Course Evaluation is open for approximately two weeks following the end of the course, and must be completed in the CoursEval system while it is open.

OTHER COURSE GUIDELINES AND POLICIES

Remediation	Students who fail to meet the minimum requirements for passing this course will have their performance reviewed by a campus-specific Scholastic Standing Committee (SSC). SSC will determine eligibility for make-up, retakes, or a different path of remediation. Grading & Grade Appeals information
Mistreatment	Mistreatment and Harassment Policy and Reporting Information
Professionalism	Student Conduct Code
Intellectual Responsibility	Procedures for Reporting Ethics Violations to the Peer Review Committee can be found here , in the event that a student, faculty, or staff member witnesses a violation of the Statement of Intellectual Responsibility .
Disability Resources	Accommodation information: Duluth: DRC website , umddr@d.umn.edu , 218.726.6130 Twin Cities: DRC website , drc@umn.edu , 612.626.1333 If you have, or think you have, a disability in any area such as, mental health, attention, learning, chronic health, sensory, or physical, please contact the campus-specific DRC office to arrange a confidential discussion regarding equitable access and reasonable accommodations.

All Medical Education Policies	Medical Education Policies
*Syllabus Change	Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.