

## **Guidelines for the Graduate Health Informatics Research Project**

Office of Graduate Studies, Health Informatics Master's Program

The following is required for completion of the research project:

1. The semester PRIOR to enrolling in IPHI 860, the student will contact their advisor to discuss a strategy for their research project. They will be guided in selecting a research advisor who is knowledgeable in the chosen research area and who has a regular graduate faculty appointment. The student will contact the faculty member and ask their permission to enroll in the research course. This permission should be documented in email and forwarded to the Director CHI, Dr. LaVerne Manos for final approval. Once the final approval is received the Program Manager, Dion Koch, will provide a permission number to enroll in IPHI 860. Together, the faculty member and the student will design a proposal for the research project.
2. Some suggested research project options are:
  - a. Write an integrative review of the literature on a given topic using a recognized integrative review method. For examples see the following source: Fink, A. (2005). *Conducting research literature reviews: From the internet to paper*. Thousand Oaks, CA: Sage Publication.
  - b. Participate with a faculty member in the development of a research proposal.
  - c. Collaborate with a faculty member in the conduct of a pilot project.
  - d. Investigate selected aspects of an ethical problem related to a specialized area of informatics practice.
  - e. Participate with a faculty member in the design or implementation of the evaluation of a health IT program.
  - f. Collect, enter or code data in conjunction with a faculty member engaged in research.
  - g. Assist a faculty member in the development of a grant proposal.
  - h. Complete a research utilization project.
  - i. Complete a formal data modeling project.
  - j. Complete a formal work flow study.
  - k. Conduct a usability evaluation of a component of an electronic health record.
3. The proposal will include the
  - a. Purpose of the project
  - b. Significance of the project
  - c. Research questions to be investigated
  - d. Research activities to be conducted
  - e. Proposed deliverables
4. Students need to complete the KUMC Tutorial for Human Subjects Protection which can be found at: <http://www.kumc.edu/compliance/human-research-protection-program/institutional-review-board/human-subjects-training.html>. The certificate must be

printed while online and a copy submitted to the Graduate Program Director of Health Informatics at the Center for Health Informatics

5. Upon completion of the project the student will submit the following to the research advisor for evaluation.
  - f. A scholarly paper describing the project
  - g. A one page abstract that includes
    - i. Purpose of the project
    - ii. Background or context of the project
    - iii. Research activities conducted for the project
    - iv. Results of the project
  - h. A Title Page to be signed by the research advisor and MSHI Director (see Appendix A)
6. Discussion of the research project will also occur during the Oral Examination, thus, the research advisor should be part of the Oral Examination Committee.
7. During the term that the research project is completed and prior to the oral exam, the student must submit the paper, abstract, and the signed Title Page to Graduate Program Director of Health Informatics at the Center for Health Informatics. These deliverables are essential before the Center can complete the student's Progress to Degree form required for graduation).
  - a. The research project must be submitted in an electronic format in the following file type format: '.pdf'.

**APPENDIX A**

(This is a sample of the title page to be used for the master's degree research project.)

**AN EVALUATION OF THE ELECTRONIC HEALTH RECORD  
OF HIMALAYAN HAMSTERS**

by

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B.S., University of Kansas, 1985\*<sup>2</sup>

Submitted to the Center for Health Informatics  
and the Graduate Faculty of the Health Informatics Program  
of the University of Kansas  
in partial fulfillment of the  
requirements for the degree of  
Master of Science.

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Faculty Project Advisor

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Director MSHI program

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Date Project Accepted \*<sup>3</sup>

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Date Approved

\*1 Please use full name as you normally use it on official documents.

\*2 Undergraduate degree, institution granting the degree, year of graduation

\*3 List here the month and year in which the project was accepted. No other date should be given on this page.