Introduction to the Course

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Learning Objectives

► Upon successfully completing this course, students will be able to:
  ► Summarize the importance of and point of view regarding quality improvement/knowledge translation (QI/KT) for policymakers, providers, and the public
  ► Describe a conceptual framework for QI/KT projects
  ► Identify and assess barriers and facilitators for QI/KT interventions
  ► Describe relevant issues regarding the selection, tailoring, and implementation of QI/KT interventions
  ► Apply the concepts and tools to a QI/KT project of the student’s choosing
Course Structure

- This course provides an introduction to the basic principles of QI/KT research.

- Each week is estimated to encompass approximately three hours of student participation time.

- Each week will consist of:
  - A didactic lecture devoted to the topic of that session
  - Required readings related to lecture topics
  - A LiveTalk, discussion forum
  - Individual student activity (e.g., brief quiz, submission of study QI project materials)
### Course Directors

- Lisa H. Lubomski, PhD
- Quincy Samus, PhD, MS

### Faculty

- Michelle Eakin, PhD
- Dale Needham, FCPA, MD, PhD
- Melinda Sawyer, DrPH, MSN, RN, CNS-BC
Course Directors

Lisa Lubomski, PhD

Quincy Samus, PhD, MS
Course Faculty

Dale Needham, MD, PhD
Michelle Eakin, PhD
Melinda Sawyer, DrPH, MSN, RN
## Course Schedule

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<th>Topic</th>
<th>Presenter</th>
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<tr>
<td>General background on quality improvement and knowledge translation</td>
<td>Dr. Lisa Lubomski</td>
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<tr>
<td>A model for quality improvement/knowledge translation research</td>
<td>Dr. Lisa Lubomski</td>
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<td>Choosing a quality improvement topic</td>
<td>Dr. Quincy Samus</td>
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<td>Designing a quality improvement intervention</td>
<td>Dr. Quincy Samus</td>
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<tr>
<td>Identifying barriers and facilitators to quality improvement ...</td>
<td>Dr. Quincy Samus</td>
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<td>Measurement and data quality in quality improvement</td>
<td>Dr. Lisa Lubomski</td>
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<td>How to review a report of a quality improvement/knowledge ...</td>
<td>Dr. Dale Needham</td>
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<tr>
<td>Case studies in quality improvement/knowledge translation</td>
<td>Dr. Dale Needham</td>
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<tr>
<td>Qualitative and mixed-methods approaches</td>
<td>Dr. Michelle Eakin</td>
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<td>Technical and adoptive challenges in implementation</td>
<td>Dr. Melinda Sawyer</td>
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Assessment

- Students taking the course for Science of Clinical Investigation (SOCI) certificate or academic credit are required to complete lectures and LiveTalks, participate in discussion forums, complete quizzes, and complete a student QI project that results in a brief presentation.
- The project involves the development of a research proposal for a specific quality improvement topic that is focused on the implementation of an evidence-based intervention (i.e., with proven efficacy and effectiveness) to improve the delivery of care and/or outcomes of care.

- Course attendance (lectures/LiveTalks)
- Participation in each group discussion forum
- Lecture quizzes
- Student project
  - Topic summary
  - Abstract
  - Presentation
Student Project

► Student project components
   ► A one-page summary indicating the topic addressed in the project, the research questions, and any data source(s) you will use
     ● Include pertinent references supporting the chosen topic and question
   ► Brief abstract of the project
   ► Final project: submit project summary document and deliver a five-minute Microsoft PowerPoint presentation
Additional Course Information

► References are available through Welch eReserve

► Tools and examples of student projects are available in the Online Library via CoursePlus

► Drs. Lubomski and Samus can be reached via email in CoursePlus