Introduction to the Course

Lisa H. Lubomski, PhD
Johns Hopkins University

Quincy Samus, PhD, MS
Johns Hopkins University
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
► Summarize the importance of and point of view regarding quality improvement/knowledge translation (QI/KT) for policymakers, providers, and the public
This course provides an introduction to the basic principles of QI/KT research.

Course Structure

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

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

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
- A didactic lecture devoted to the topic of that session
- A LiveTalk, discussion forum

Each week is estimated to encompass approximately three hours of student participation.
<table>
<thead>
<tr>
<th>Faculty</th>
<th>Course Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melinda Sawyer, DrPH, MSN, RN, CNS-BC</td>
<td>Quincy Samus, PhD, MIS</td>
</tr>
<tr>
<td>Dale Needham, FCPA, MD, PhD</td>
<td>Lisa H. Lubomski, PhD</td>
</tr>
<tr>
<td>Michelle Eakin, PhD</td>
<td></td>
</tr>
</tbody>
</table>
Quincy Samus, PhD, MS

Lisa Lubomski, PhD
Course Faculty

Dale Needham, MD, PhD

Michelle Eakin, PhD

Melinda Sawyer, DrPH, MSN, RN
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Michelle Eakin</td>
<td>Qualitative and mixed-methods approaches</td>
</tr>
<tr>
<td>Dr. Dale Needham</td>
<td>Case studies in quality improvement/knowledge translation</td>
</tr>
<tr>
<td>Dr. Dale Needham</td>
<td>How to review a report of a quality improvement/knowledge translation project</td>
</tr>
<tr>
<td>Dr. Lisa Lubomski</td>
<td>Measurement and data quality in quality improvement</td>
</tr>
<tr>
<td>Dr. Quincy Samus</td>
<td>Identifying barriers and facilitators to quality improvement interventions</td>
</tr>
<tr>
<td>Dr. Quincy Samus</td>
<td>Designing a quality improvement intervention</td>
</tr>
<tr>
<td>Dr. Quincy Samus</td>
<td>Choosing a quality improvement topic</td>
</tr>
<tr>
<td>Dr. Lisa Lubomski</td>
<td>A model for quality improvement/knowledge translation research</td>
</tr>
<tr>
<td>Dr. Lisa Lubomski</td>
<td>General background on quality improvement and knowledge translation</td>
</tr>
</tbody>
</table>

Course Schedule
Assessment

- Presentation
- Abstract
- Topic summary
- Student project

- Lecture quizzes

- Forum
- Participation in each group discussion

- Course attendance (lectures/LiveTalks)

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) to improve the delivery of care and/or outcomes of care.

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 of a research proposal for a specific quality improvement topic.
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
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.