M19 - Introduction to Dissemination and Implementation Science

Spring 2016

**Time/Place:** Wednesdays 1 to 4 pm (February 3, 2016 to March 2, 2016)
Location: Richmond Teaching Room, Taylor Avenue Building, 2nd floor

**Instructors:** Ross Brownson, Enola Proctor

**Office hours:** By appointment
rbrownson@wustl.edu
ekp@wustl.edu

**Target audience:** Researchers in clinical and population sciences; clinical training program participants; MSPH, MPH, and MSW students; prior research experience is helpful but not required.

**Prerequisites:** None

**Credits:** 1
Course overview

**Description:** This course provides an introduction to dissemination and implementation (D&I) science (i.e., translational research in health). Topics include the importance and language of D&I science; designs, methods, and measures; differences and similarities across clinical, public health, and policy settings; selected tools for D&I research and practice; and future issues.

**Evaluation:** Students will design a research/practice project in dissemination and implementation research, create a poster, and answer questions related to their project. Researchers might analyze a data set or develop a grant application. Practitioners might conduct a D&I project to improve patient care or population health.

**Competencies:**

1. Understand the importance and language of D&I science.
2. Explore the theories and frameworks that are commonly used in D&I research and practice.
3. Describe various study designs and measures that support D&I science.
4. Understand D&I methods and challenges across various settings and populations.
5. Understand how D&I science can further your research/practice plans and career.
Course format and requirements

Students are expected to attend all classes. Readings assigned for each class should be read ahead of time and students should be prepared to discuss readings in class and to be active participants in the learning process.


Grading and assignments: One class assignment that involves development of a D&I research project, presented as a poster.

Grading scale:
- A  95-100%
- A- 90-94.9%
- B+ 85-89.9%
- B  80-84.9%
- B- 75-79.9%
- C+ 70-74.9%
- C  60-69.9%
# Introduction to Dissemination and Implementation Science

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Instructor(s)</th>
<th>Topic</th>
<th>Readings</th>
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<tbody>
<tr>
<td>Class 1</td>
<td>February 3</td>
<td>Brownson, Proctor</td>
<td>Rationale for D&amp;I research, overview of the field, continuum of</td>
<td><strong>Core:</strong></td>
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<td>translational research, language</td>
<td>Ch. 1: Colditz GA. The promise and challenges of dissemination and implementation research</td>
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<td>Initial group work for the final project</td>
<td>Ch. 2: Rabin B. Developing the terminology for dissemination and implementation research</td>
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<td>Class 2</td>
<td>February 10</td>
<td>Brownson, Proctor, Carpenter (at 1 pm),</td>
<td>Theories and frameworks in D&amp;I research (with a policy example),</td>
<td><strong>Core:</strong></td>
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<td><strong>Additional:</strong></td>
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| Class 4 | February 24 | Proctor, Brownson, Caburnay | Methods and challenges in public health settings, D&I strategies | **Core:**
Ch. 17: Stamatakis K. Community and public health settings
| --- | --- | --- | --- | --- |
| Class 5 | March 2 | Brownson, Proctor | Future issues and student presentations (posters) Build from worksheets completed in earlier sessions | **Core:**
Ch. 24: Brownson. The path forward in dissemination and implementation research