

COURSE DESCRIPTION

DESIGNS AND MIXED METHODS IN IMPLEMENTATION RESEARCH (CLSC 6560)

Overview	This course provides an in-depth examination of study designs, and qualitative, quantitative, and mixed methods approaches to dissemination and implementation (D&I) research. The focus is on application to health care and public health settings.
Instructor	Jodi Holtrop, PhD
Meeting Time	Wednesdays, 4:00PM-6:00PM Mountain Time
Semester	Spring Semester (mid-January through mid-May)
Format	Fully online - Includes lecture, discussion, group activities, testing, and presentation.
Capacity	15 students
Semester Hours	2

LEARNING OBJECTIVES AND COMPETENCIES | The course addresses a number of Dissemination and Implementation Science competencies^{1,2}. At the end of the course, learners will be able to:

- Describe the major pragmatic, comparative effectiveness and hybrid designs and how they apply to D&I research studies.
- Identify appropriate methods and designs for different types of research questions and desired outcomes.
- Explain why and how mixed methods designs may be used in health-related research.
- Complete a D&I methods section for a research proposal applying concepts learned in the course.

To prepare students to perform state of the art translational research, this course addresses the following clinical science competencies:

- Apply and use appropriate study designs and methods to address research questions/hypotheses
- Design and conduct research studies
- Prepare and submit grant proposals
- Publish research-based manuscripts to peer-reviewed journals
- Participate in interdisciplinary collaboration
- Identify and measure clinically relevant and meaningful outcomes

¹Padek et al. *Implementation Science*, 2015 and ²Tabak et al. *Am J Prev Med*, 2017

EXPECTATIONS OF STUDENTS | There are no specific prerequisites, however, students are STRONGLY recommended to have had coursework in both quantitative and qualitative research methods. Students should have an interest in research design for real world settings and completing a dissemination and implementation (D&I) research proposal. Completion of the introductory course, CLSC 7653 Dissemination and Implementation Research in Health, is helpful, but not required.

ASSIGNMENTS | Evaluation is based on contribution to the discussion in both real time and virtually; completion of a pragmatic study methods section following the NIH template for proposals; group discussion/instruction sharing including leading a specific topic; study designs and mixed methods evaluations twice during semester; and article evaluations using a 13 step process.



ACCORDS

ADULT AND CHILD CONSORTIUM FOR HEALTH OUTCOMES
RESEARCH AND DELIVERY SCIENCE

UNIVERSITY OF COLORADO | CHILDREN'S HOSPITAL COLORADO



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