



SCHOOL OF MEDICINE

Institute of Clinical and Translational Sciences Clinical Research Training Center

NEW MSCI Dissemination and Implementation Course Descriptions

M17-540 Introduction to Dissemination & Implementation Science (3 credits)

- Coursemaster: Ana Baumann, PhD



- *Introduce field of dissemination and implementation research and science*
- *Understand the importance of D&I science,*
- *Explore the theories and frameworks that are commonly used in D&I research and practice,*
- *Describe the importance of context at multiple levels in D&I science,*
- *Distinguish between implementation strategies and outcomes from those in efficacy and effectiveness research,*
- *Study designs, methods, and measures that support D&I science*

M17-541 Methods, Metrics, and Measures for Dissemination and Implementation Research (3 credits)

- Coursemaster: Elvin Geng, MD, MPH



- *Epidemiological and experimental methods with distinctive utility for D&I research*
- *Explicates key concepts (e.g., adaptation, context) in implementation research*
- *Focus on external validity as one of the key challenges to scientific advancement of implementation research*
- *Covers established and emerging approaches to measurement and metrics in D&I*
- *Emerging metrics in organizational culture, readiness, teams, as well as novel topics such as measurement for adaptation, context, sustainability (e.g., Program Sustainability Assessment Tool)*

M17 Developing and Evaluating Implementation Strategies in Health and Social Services (3 credits)

- Coursemaster: Byron Powell, PhD



- *Developing and evaluate implementation strategies*
- *Introduce range of implementation strategies*
- *Instruct on how to propose potential mechanisms of change;*
- *Rigorously evaluate implementation strategies.*
- *Intervention-, patient-, provider-, organizational-, policy and system-, and multi-level implementation strategies will be covered*

