



Leadership Education in Neurodevelopmental and related Disabilities (LEND) Program

Seminar in Evidence-Based Methods 2018-2019

Course Description

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Course Description

The WIHD LEND Training Program consists of three courses: Neurodevelopmental Disabilities and their Systems of Care; Seminar in Evidence-Based Methods; and, Interdisciplinary Leadership in Action. Seminar in Evidence-Based Methods (SEBM) assists trainees in developing skills in finding, evaluating and applying evidence for use in practice, teaching, policy and research. This 68-hour, 2-semester course is a combination of didactic sessions, evidence-based interdisciplinary team projects, and oral and poster presentations. All teams engage a community partner at the local, state or national level as a project collaborator. The year culminates with poster and oral presentations in Albany with the New York State Department of Health and locally at WIHD.

Course Goals

The learning activities of this course are designed to help trainees develop a higher level of competency in the following MCH Leadership Competency areas: 4) Critical Thinking; 5) Communication; 6) Negotiation & Conflict Resolution; 7) Cultural Competency; 10) Interdisciplinary Team Building; 11) Working with Communities & Systems; and, 12) Policy and Advocacy.

Course Learning Objectives

By the end of this course, all trainees will:

1. Demonstrate improved mastery of evidence-based methods in ways relevant to their present or future professional responsibilities.
2. Achieve a deeper understanding of productive uses and common inappropriate uses of evidence-based methods.
3. Demonstrate improved knowledge and ability in searching, identifying and summarizing pertinent scholarly literature; extracting data from publicly available databases; designing evaluative research projects involving programs, products, services and policies; drafting and distributing surveys; collecting, analyzing and disseminating data; writing abstracts; and, presenting results by way of oral and poster presentations.
4. Describe essential elements of methods to protect human subjects involved in research and their confidential information.

Class Sessions

1. *Introduction to Seminar in Evidence-Based Methods*
2. *Searching the Scholarly Literature and Online Databases*
3. *Reading, Writing and Comparing Research Reports*
4. *Evaluative Research Methods*
5. *Protection of Human Subjects/Privacy in Research*
6. *Interim Research Presentations (Part 1)*
7. *Interim Research Presentations (Part 2)*
8. *Poster Design and Preparation*
9. *Data Analysis and Presentation/Abstract Preparation*
10. *Poster Presentation/Albany Preparation*
11. *Advocacy and Policy Change*
12. *Albany Poster Session*
13. *Graduation Poster Session*

Assignments

1. Complete CITI Program Online Courses in Human Subject Research and Conflicts of Interest
2. Attend 13 in-class SEBM sessions on research methodology
3. Attend 19 interdisciplinary SEBM team meetings
4. With team, carry out an evidence-based project
5. With team, create and deliver a mid-year, interim research presentation
6. With team, create a project poster and abstract for presentation at WIHD and in Albany
7. Conduct mid-year self-assessment of overall performance
8. Conduct end-year self-assessment of overall performance

Trainee Evaluation

1. Attendance and participation (15 points)
2. Interim research presentation (15 points)
3. Poster design and presentation (20 points)
4. Abstract design and presentation (10 points)
5. Mid-year overall performance (20 points)
6. End-year overall performance (20 points)

Overall Performance Evaluation Criteria

	Mid-Year	End-Year
1. Ability to search the scholarly literature for materials related to team project	X	X
2. Ability to summarize the pertinent literature in a concise manner to support the rationale and importance of team project	X	X
3. Awareness of responsibility to ensure the protection of the rights, welfare, and well-being of subjects involved in any of team's research activities	X	X
4. Ability to contribute to summarizing the findings and formulating next steps for team project		X
5. Efforts to actively participate in the mock poster session, providing team members and peers with support and feedback		X
6. Efforts to actively participate in team's effort to prepare project for presentation in Albany		X
7. Efforts to contribute to group discussions	X	X
8. Efforts to complete assigned tasks adequately and in a timely manner	X	X
9. Overall contributions to the team	X	X
10. Ability to accept feedback easily and act on it to improve when necessary	X	X
11. Awareness in using person-first language when communicating with or referring to individuals with disabilities	X	X
12. Punctuality for classes, presentations and meetings	X	X
13. Ability to behave in a professional, collegial and respectful manner	X	X