

Medical Education Scholars Scholarship of Teaching & Learning (Track 2)

Designing an educational research project directed toward improving learner, patient and/or community health outcomes.

10-12 Scholars
10 months
20 scheduled sessions – 80 hours
Alternate years beginning August 2022

Tentative topics list:

- The scholarship of teaching and learning
- Grant writing
- Formulating a research question
- Grounding research in conceptual and theoretical frameworks
- Quantitative methods
- Quantitative data analysis techniques
- Qualitative methods
- Qualitative data analysis techniques
- Mixed methods design
- The IRB process

Outcome: Each Medical Education Scholar will develop and present a research proposal that applies educational scholarship and research methods to an educational research need that will improve learner, patient, and/or community-health outcomes. During the MES Scholarship of Teaching and Learning Research Design Track, Scholars will learn about and apply research principles and methods, in order to develop a research question and corresponding design and analysis plan. The track will culminate in the development of a research proposal that is submitted to the SOM Scholarship of Education Allocation Committee (SEAC) for potential funding up to \$10,000 for the following two years. Completion of the track is acknowledged upon completion of the funded project.

Schedule: We will meet twice per month in most months for 4 hours in each session; 20 sessions total.

Prerequisite: At the time of application, each potential Scholar must demonstrate completion, or near completion, of the MES Teaching, Learning & Curriculum Design track (or prior equivalent educational experience) and identify a potential research project.

Expectations of participants:

Participants synthesize topical reading materials and facilitate interactive seminars related to these readings. Specific topics include, in part, the design and conduct of educational scholarship, grant writing, and theories of learning and conceptual frameworks that are foundational to educational research. Readings include instructional pieces describing research design and analysis and example applications of methodology in the literature. Guest researchers provide engaging didactics to demonstrate their research designs and implementation. The seminars guide scholars to become informed consumers of educational research literature and to identify and carry out methods to meet their research aims.

Participants apply the topical readings and seminar discussions to their scholarship project. Some scheduled sessions focus on individual application of concepts from the seminars to each evolving research project, culminating in a final written proposal and oral presentation.

Participants have priority registration access to the AAMC Medical Education Research Certificate courses that will be sponsored by the SOM

Participate in a community of Medical Education Scholars who mentor and support each other and collaborate on innovative educational scholarship initiatives. Scholars attend and participate in the scheduled seminars. The program facilitates supportive collaboration among Medical Education Scholars, through critique and review of each other's research projects, interactions with presenting speakers, and opportunities for scholars from different cohorts to remain connected.