Medical Education Scholarly Concentration

Concentration Directors
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Overview
The goal of the Medical Education Scholarly Concentration is to:
- Expose students to curriculum development, teaching, and assessment
- Engage students in the discussions, planning, and implementation of various aspects of medical education.
- Prepare students for an education leadership career in academic medicine

At the completion of the Medical Education Scholarly Concentration, students will:
- Demonstrate effective uses of teaching techniques
  - Apply educational technology to improve teaching
  - Use interactive teaching methods to engage learners
- Apply knowledge and skills in medical education scholarly products

Educational Competencies
At the completion of the Medical Education Scholarly Concentration, students will:
- Be able to write clear, effective learning objectives
- Practice providing SMART feedback
- Develop a community of practice
- Learn how to facilitate a small group
- Demonstrate strong presentation skills
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Curriculum and Timeline for Completion of Requirements

First Year (2nd Semester)
- Attend one Monthly Educational Development workshop (second Friday of each month)
- Select a mentor
- Identify an educational scholarly project

Summer (MSI-MSII):
- Participate in Medical Education Online Asynchronous discussions (Canvas)

Second Year:
- Attend one Academy of Master Educators Journal Club meeting
  OR
- Attend one Monthly Educational Development workshop (second Friday of each month)
- Lead one Medical Education SC Journal Club
- Attend all Medical Education SC Journal Club
- Work with mentor on scholarly project

Third Year:
- Co-present one Monthly Educational Development workshops (second Friday of each month)
- Work with mentor on scholarly project
  OPTIONAL: Attend education-related meetings
    - Curriculum Committee Meeting
    - Graduate Medical Education Committee Meeting

Fourth Year:
- Select from one of the following activities to complete
  1) Co-facilitate PBL
  2) Prepare and deliver a workshop during MSIV Transition to Residency course
- Complete scholarly project
  OPTIONAL: Attend one Health Educators Fellowship Program (HEFP) session (1st Friday of each month)
  OPTIONAL: Attend education-related meetings
    - Curriculum Committee Meeting
    - Graduate Medical Education Committee Meeting

Ongoing
- Select an education-related committee, attend six meetings, and submit a reflection on the meeting in Canvas
  - Curriculum Committee Meeting (third Wednesday, 4:00-5:00 PM)
  - Graduate Medical Education Committee Meeting (fourth Wednesday, 4:00-5:00 PM)
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Summary of Concentration requirements:

- All requirements listed by MS year
  - Attend the Academy of Master Educators Journal Club OR one Monthly Educational Development workshop
  - Attend at least one Monthly Educational Development workshop (second Friday of each month)
    https://med.uth.edu/oep/educator-resources/educator-development/educator-development-workshops/
  - Lead at least one Medical Education Journal Club
    https://www.uth.edu/canvas/index.htm
  - Participate in all Medical Education SC Journal Club
  - Attend education-related Medical School Committees, as described above
  - Group meetings of students and directors
- Complete scholarly project

Types of faculty-mentored scholarly projects available to students:

- PBL or TBL case; student will be primary author in collaboration with faculty
- Curriculum module for use in a course, clerkship, or residency training program
- Evaluation tool for use in undergraduate or graduate medical education
- Workshop material and presentation (during MSIV Transition to Residency course or at an education meeting)
- Traditional student-authored educational research project appropriate for publication and/or poster presentation
- Innovative teaching or learning resource such as:
  - 1) Online learning module
  - 2) Concept maps
  - 3) Comparative organizers

Potential scholarly project dissemination:
The method of dissemination will depend on the nature of the scholarly project. Possible strategies include:
1. Presentation of a poster at an education meeting:
   - The Innovations in Health Science Education Annual Conference (February – Austin)
   - The Annual Academy of Master Educators Education Symposium (May – Houston or Galveston)
   - Advances in Teaching and Learning Day (June 2017, 2019 – Houston)
2. Presentation of a workshop during the MSIV Transition to Residency course
3. Publication of an educational research project
4. Implementation of a new PBL or TBL case for medical students
5. Implementation of a new curriculum module for a clerkship or residency training program
Scholarly Project
(Paper, Poster, or Oral Presentation)

I. **Introduction**: Introduce the topic of the project by placing your project in a broad context and providing background information.

II. **Purpose of the Project**: This section should make a case for why the project is needed, its importance, the problem, and the anticipated solution. You should provide a very specific and concise description of the intent of the project.

III. **Review of the Literature**: Literature review provides the basis for understanding your project in terms of what else is known. Include historical background, theoretical considerations, and recent findings (use references).

IV. **Methodology**: This section provides a description of the procedures used to conduct the study. It should include information about study design, the participants, the instruments/tools/resources to be used or developed, and the methods used to collect the data.

V. **Results**: Summarize findings without interpretations.

VI. **Conclusion**: Show how your results and interpretations agree or contrast with previously published work. Discuss the implications of your work and any possible practical applications. End with a short summary regarding the significance of the work to either learners, educators, practitioners, or the medical education field.