Mentored Scholarly Activity 1
Course Goals

Goals

1. Demonstrate progress through the Phases and display independence and collaboration
2. Demonstrate ability to formulate a specific problem statement, question, hypothesis or aim
3. Demonstrate ability to work effectively with a mentor.
4. Demonstrate ability to critically review and analyze literature on an important scholarly topic.
5. Demonstrate ability to prepare a scholarly project with appropriate methods and develop a plan to complete the project.
6. Demonstrate ability to synthesize and present results of a scholarly project.
7. Demonstrate the ability to use the scientific method to test and or verify hypotheses in clinical and translational research.
Mentored Scholarly Activity 1
Session Learning Objectives

**Annual Research Forum Attendance and Poster Judging**
1. Assess the components of a research poster using a rubric.

**MSA 1:1 Individual Meetings**
1. Describe the overall goals and structure of the MSA.
2. Discuss potential MSA projects using their completed interest form (prior experiences and career goals).
3. Identify possible mentors and/or department contacts.
4. Describe expectations and timeline for Phase I.

**MSA Phase I Evaluate Capstone Posters**
1. Give examples of completed MSA projects.
2. Assess the components of a scholarly poster using MSA rubric, including a lay abstract that would be understandable to someone with a sixth grade reading level.
3. Describe different methods used in scholarly work.

**Orientation to MSA Course (During Human Body Block)**
1. Describe the overall goals and structure of the MSA program.
2. Identify MSA Associate Directors.
3. Identify resources, including the library, biostats, and sources of funding for MSA projects.
4. Describe expectations and timeline for Phase I.

**Scientific Method Module**
1. Use the correlation coefficient to test hypotheses regarding the relative contribution of environmental versus genetic factors in disease
2. Assess whether a hypothesis statement is specific and testable.
3. Identify which type of translational research is being used for a particular study.
4. Demonstrate the ability to use the scientific method to test and or verify hypotheses in clinical and translational research.

**Summer Opportunities Fair**
1. Visit with the participating programs to help decide how to focus the summer between Phase I and II.