



**TRINITY**  
MEDICAL SCIENCES  
UNIVERSITY

SCHOOL OF  
BIOMEDICAL SCIENCES

## **RESEARCH SEMINAR**

### **BIOS 200/240**

#### **Course Description**

Research Seminar introduces students to the biomedical presentation with an emphasis on the organization and presentation of complex topics. In this course, the student will utilize skills from other courses.

**Credit: 2-3 credits**

**Repeatable: Yes (maximum 10 credits)**

#### **Course Structure**

The goal of this course is for students to demonstrate progressive improvement in presentation skills from those of a basic presenter to a student who can develop and present a topic as a future health professions student. This course may be offered in several terms of the curriculum. Students will attend regularly scheduled case presentations at Trinity School of Medicine. At the end of each presentation, a summary of the presentation will be submitted to the instructor. Students will also work in teams to develop a seminar to be presented to the class at the end of the term.

BIOS 200 will earn 2 semester credits.

BIOS 240 will earn 3 semester credits.

#### **Competencies**

This course emphasizes competencies to enhance skills essential for a future health care professional.

- Knowledge
  - **Demonstrate content knowledge and skills in foundational courses required by biomedical professionals**
  - **Demonstrate information literacy**
  - Demonstrate quantitative reasoning
  - Demonstrate longitudinal learning through coursework
- Critical Thinking
  - Develop the skills of self-reflection and peer assessment to improve personal performance.
  - **Demonstrate the ability to analyze literature and written material**
  - **Demonstrate the ability to distinguish between well-reasoned and poorly reasoned arguments**
- Communication Skills
  - **Demonstrate effective presentation skills to faculty and peers.**
  - **Demonstrate effective listening skills**
  - **Demonstrate effective written communication**

**Objectives:**

- Demonstrate good listening skills and the ability to summarize material presented.
- Demonstrate team-work in the development of a team presentation.
- Reinforce computer skills in medical informatics and PowerPoint development.
- Describe the essential components of a medical case presentation including, but not limited to, chief complaint, family history, past medical history, a differential diagnosis, final diagnosis, a treatment options.
- Demonstrate good communication skills within classes through presentations and discussion of presentations.

**Schedule:** Dates and times to be posted at the beginning of the term on the online calendar

**Assignments:**BIOS 200

- Attend all case presentations as scheduled and submit a 500 word summary of the presentation by the end of the next business day (4:30 p.m.). Good composition skills should be used.
- Evaluate peer-presentations.

BIOS 240

- Attend all case presentations as scheduled and submit a 500 word summary of the presentation by the end of the next business day (4:30 p.m.). Good composition should be used
- Student teams will present a case selected by the faculty to invited faculty, staff, and students. (200 pts maximum)
- Evaluate peer-presentations.

**Evaluation:**

Students will receive formative feedback on summaries of cases during the first course in this series. The following rubric is used by Faculty to grade each summary. Total points earned will be converted into % and then to a letter grade according to the school's policy (see below).

	Pts/20
Meeting deadline	2
Organization: writing coherently and logically (define the case, differential diagnosis, diagnosis, treatment, concluding remarks)	7
Level of Content: indicating thinking and reasoning, depth	6
Language/style	3
Format (technical, margins, spacing, spelling ...) meeting the 500 words	2
Total points	20

In the later course, grading will be based upon team presentation. A grading rubric will be provided at the beginning of the term.

This course is designed to develop skills over several terms. As such, it is not expected that students will have mastered these skills initially and that scores on presentations will be somewhat lower in the first course than a later course.

**Grade:**

Percent of Points	Letter Grade
95-100%	A(h)
90-94%	A
85-89%	B+
80-84%	B
75-79%	C+
70-74%	C
<70%	F

**Attendance:**

Students must attend a case presentation in order to submit a summary for that presentation. Students must attend all case presentations.

**Policies:**

Professional Demeanor

The student should be thoughtful and professional when interacting with faculty and other students. Inappropriate behavior includes the use of offensive language, gestures, or remarks with sexual overtones. Students should maintain a neat and clean appearance, and dress in attire that is generally accepted as professional when presenting class presentations.

Honesty

Students are expected to demonstrate honesty and integrity in all aspects of their education and in their interactions with faculty, administration, physicians, patients, and fellow students. They will not cheat, plagiarize, or assist others in the commission of these acts.

**Faculty and office hours:**

Coordinator: Dr. Wezenet Tewodros, Professor

Students can make an appointment via email.