

## Phase 1 Elective Description

**Campus:** Northeast (Grand Forks)

**Department:** Biomedical Sciences

**Elective Title:** The Scientist-Track Career (Reasons, Pathways and Means)

**Location of Elective:** Virtual

**Course Number:** MED 9601-08

**Other Phases That Can Enroll:** none

**Preceptor(s):** Abraam Yakoub\_PharmD, PhD

**Phase 1 Period(s) Offered:** \_\_\_\_ Summer –I                        X   Summer-II

**Number of students per period:** No limit

**Elective Length:** 4 weeks

**Course Prerequisites:** none

**Estimated # of Hours required for the 4-week course:**

*Face-to-Face/Zoom:* 6-8 hours                      *Independent/Asynchronous:* 40-80 hours (1 to 2 full weeks of writing)

**Will any Face-to-Face/Zoom hours occur on Weekends?** No

**Will any Face-to-Face/Zoom hours occur on after 5pm?** No

### **Purpose:**

Provide medical students who would like to pursue a scientist-track career an understanding of the process required to achieve this goal. Students will gain knowledge regarding the keys to success in this career path including grant writing abilities and compelling/persuasive writing. The course can also be open to postdocs and grad students.

**Objectives:** Following successful completion of this elective, the student will be able to:

1. Understand the reasons for pursuing a scientist-track career (*Competency 7.3*)
2. Understand the pathways to a scientist-track career
3. Demonstrate abilities required for a scientist-track career, specifically grant writing and grant critique and review (*Competencies 1.3 & 1.4*)

**Instructional Activities:** During this elective, the student will be involved in/experience:

1. Six Lectures (with intensive discussions) on the reasons for pursuing a scientist-track career, the pathways to that, and the means for success in this track, especially grant writing
2. Write Grants, including Medical Scientist Training, Mentored Research, Fellowship, K and R01 type applications
3. Critique and review of grant application examples and those written by peers

**Criteria for Grading:** During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS phase I elective evaluation form.
2. By direct observation evaluate the student's class participation and motivation/involvement in the class discussions. (30% of grade) (*objectives 1,2*)
3. Through review of written work, assess the student's grant writing ability. (50% of grade) (*objective 3*)
4. By review of written work and of student's input in the class discussions, assess the student's ability to provide grant critique. (20% of grade) (*objective 3*)

**Grading** for this elective is Satisfactory/Unsatisfactory. \*

*There is an ability for submission of a written narrative feedback that describes work that was above and beyond expectations.*