

**EDUCATION AND RESEARCH CENTER**

**TARGETED RESEARCH  
TRAINING PROGRAM  
(TRT)**

**GUIDELINES  
Fall 2020**

# ERC – TRT GUIDELINES

## **I. SELECTION OF STUDENTS FOR TRT PROJECTS**

The Steering Committee will select the students for the projects based on advisors' recommendation and student's research plan. Student helpers do not need approval from the Steering Committee, approval by student's advisor and the faculty PI of the project is sufficient. For the selection of students, the following documentation is needed:

- 1) Student's resume
- 2) One paragraph write-up on the rationale for match between the student and project
- 3) Commitment from the students to the project (include period of time commitment and student's role in the project)
- 4) Plan for specific additional courses (see Table 1) or one-on-one training by the mentor to enhance student's research skills.

## **II. RESEARCH PLAN**

Students prepare a detailed plan; signed by student, advisor and submit to steering committee.

### **A) For projects outlined in the ERC competitive application (Specific Aims 1-2):**

The plan should be 1-2 pages, and contain the following parts:

- 1) Background, 2) Goals, 3) Outline of activities, 4) Timeline, 5) Resources needed (e.g., supplies, equipment, mileage).

The write-up should show student involvement in all phases of the project, not just technical assistance of the faculty.

### **B) For new projects (sub-aims):**

Any member of the ERC faculty can propose a new sub-aim. The Steering Committee reviews and approves the proposals for new sub-aims. In addition to items listed above in section A, proposal should indicate under which existing Specific Aim it belongs or if a new Specific Aim is added. The projects will be evaluated on the following criteria:

- Significance: Relevance to NORA and the long-term goals of the ERC and the TRT strategic plans.
- Approach: suitability for a student project, student involvement.
- Environment: Interdisciplinary interaction (need to have at least two ERC disciplines involved).
- Investigators: Advisor's track record of outside support and experience in research training and research to practice projects. Quality of the student.
- Outcomes: results, publications, recommendations, students' presentations and theses

The new proposals should include the above listed sub-headings.

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## **C) Continued review of already approved project**

At the time of the annual ERC renewal, the PI of each project will submit a progress report and detailed plan for the next year and an updated long-range plan. The plans will be evaluated using the above listed criteria.

## **III. REQUIREMENTS FOR STUDENTS**

In addition to the requirements of their respective graduate programs, the TRT students are required to do the following:

- Present in the annual Pilot Research Project Symposium (poster or oral, depending on the status of the work)
- Participate in the annual Research Capacity Building workshop (once during their studies)
- Present in the annual Students' Research Findings symposium
- Present their projects in TRT Information sessions and relevant seminars and conferences.
- Students are required to take specific additional courses (see Table 1) or have one-on-one training by the mentor to enhance their research skills.

**Table 1. TRT curriculum**

<b>Topic</b>	<b>Courses</b>
Research design, development and epidemiological methods	BE-9075 Design and Management of Field Studies (3 cr.) NPHD-9010 Intro to Quant Methods (3 cr.), NPHD-9012 Intro to Qualitative Methods (3 cr.)
Biostatistics	BE-7022 Introduction to Biostatistics (3 cr.) NPHD-9042 Applied Multivariate Statistics I (3 cr.), BE-7082 Introduction to Data Science (3 cr.)
Study and survey design	BE-7089 Experimental Design (3 cr.) NPHD-9010 Intro to Quant Methods (3 cr.)
Measures of outcomes Determining Impact	ANNA-8010 Health Planning & Analysis (3 cr.) MECH-6050 Occupational Safety Engineering (3 cr.)
Ethical and regulatory principles of research	GNTD-7003 Ethics in Research (1 cr.) NPHD-9009 Health Policy and Ethical Issues in Nursing Science (3 cr.), NPHD-9031 Role of Nurse Scientist I I (3 cr.)

### **Steering Committee:**

Dr. Amit Bhattacharya, Environmental and Occupational Hygiene, Chairperson  
Dr. Gordon Gillespie, Occupational Health Nursing  
Dr. Jay Kim, Occupational Safety and Health Engineering  
Dr. Nick Newman, Occupational Medicine  
Dr. Debbie Sampsel, College of Nursing, Outside member

**Coordinator:** Jessica Bloomer

## **ERC – TRT GUIDELINES**

**The initial point of contact for all proposal submission and inquiries is Jessica Bloomer  
([erccoord@uc.edu](mailto:erccoord@uc.edu))**