

Clinical Research Methods Course

Course Description

This course will provide a foundation in knowledge and skills necessary for healthcare professionals to perform investigator-initiated clinical research. Techniques of literature searching and critical review of the scientific literature will serve as a skill foundation for evaluating the current state of research questions. The concept of clinical research, including its scope and fundamental research designs will be covered in detail. Students will learn to choose the most appropriate study design for various types of research questions. Students will learn to design appropriate clinical research methodology, including appropriate sample size, power, variables, outcome measures and potential pitfalls. Proper interpretation of findings and applicability (external validity) will be emphasized. Ethical issues in the design and conduct of clinical research including informed consent, protection of human subjects, and HIPAA compliance will be addressed. Sponsored clinical research will be reviewed in some detail, with attention to project management, planning and budgeting. Finally, concepts in scholarly publication will be reviewed so that students learn to disseminate their research findings to appropriate audiences.

Course Objectives/Student Learning Outcomes

1. Understand the scope of clinical research and clinical trials.
2. Identify clinical research questions and appropriate methodology.
3. Understand the most important ethical issues in clinical research.
4. Understand the Institutional Review Board process.
5. Identify methods for seeking funding sources.
6. Improve grant writing skills.
7. Understand the special considerations involved in conducting international research.
8. Understand how to manage research projects and grants.
9. Interpret research data appropriately.
10. Develop skills in manuscript preparation and publication.
11. Develop presentation and communication skills for disseminating findings.



A H A R T

USF India Adolescent HIV/AIDS Research Training

Please complete the following items and email to Nicole Crawford (ncrawfor@health.usf.edu).

This application should be completed by Indian health care professionals who wish to apply for training under USF-AITRP program. Please read all instructions and complete all steps by the due date listed. Failure to do so will delay and possibly disqualify your application.

Complete the attached Internal Application (including recommendation letter) and return to Nicole Crawford (ncrawfor@health.usf.edu).

Internal Application

Name _____

Title & Institutional Affiliation _____

Address _____

Home Phone _____ **Work Phone** _____

Email _____

For which term are you applying? (Semester and Year) _____

Educational History:

Name of Institution: _____

Major Field of Study & Degree Awarded: _____

Years at this institution: _____

Name of Institution: _____

Major Field of Study & Degree Awarded: _____

Years at this institution: _____

Name of Institution: _____

Major Field of Study & Degree Awarded: _____

Years at this institution: _____

Professional Experience:

Name of Institution: _____

Designation: _____

Years at this institution: _____

Duties: _____

Name of Institution: _____

Designation: _____

Years at this institution: _____

Duties: _____

Name of Institution: _____

Designation: _____

Years at this institution: _____

Duties: _____

Please request one letter of recommendation from a mentor or professional colleague who can comment on your qualifications for this program. Please also attach a current curriculum vitae with your application and send to Nicole Crawford.

Nicole Crawford
Coordinator, USF AITRP
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Tampa, FL 33612
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1. What licenses and certifications do you currently possess related to the health care professions?

2. What do you wish to accomplish by completing this training program?

3. What are your long-term goals regarding clinical research and adolescent HIV/AIDS?

4. Do you have any clinical research experience? If so, you provide brief summary.