

Clinical Science Grant Writing Short Course

The course will be taught by Dr. Annette Fitzpatrick, Research Professor of Epidemiology, Family Medicine, and Global Health, and Dr. Larry Kessler, Professor of Health Systems and Population Health. The total class size will be sixteen attendees from the Schools of Medicine and Public Health.

The course will take place virtually from September 11 to November 27, on Wednesdays from 3 to 5 pm, plus a final mock study section the week of December 9. Draft course schedule is attached.

Who should apply?

- Acting Instructors, Acting Assistant Professors, Assistant Professors in Department of Pediatrics writing grant applications in clinical or health services research. The Department of Pediatrics offers a separate course each year for bench researchers.
- Those planning to submit an NIH K, early R or equivalent type of grant application within two months following the end of the course.
- Those who have sufficient protected time during the course to participate fully and complete all assignments.
- Those who have identified a mentor who will commit to the following:
 - reviewing the work of their mentee
 - providing written feedback to you and copy the course instructors on the feedback to ensure we are all aligned with each other.
 - attending one hour of the 4-hour mock study section at the end of the course, the week of December 9. We ask they attend the entire one-hour session for them to participate as in a study section.

Applicants should submit the following to Patrick Lennon (plennon@uw.edu) by April 30th:

- Grant mechanism to which you will be applying
- Intended submission date
- 1-2 paragraphs about the objectives of the grant
- The name of your mentor and a statement that they understand their responsibilities. If you are selected as a Department of Pediatrics nominee, we will also need a letter of support from your mentor.

**ITHS/ UW School of Medicine/US SPH Grantwriting Short Course
DRAFT Class Schedule
FALL 2024
Wednesday 3:00 – 5:00 PM
All Classes Online**

**Meeting Dates: Sept. 11, 18, 25, Oct. 9, 16, 24, 30, Nov. 6, 13, 20
[Note – NO class on Oct. 2, Rosh Hashanah and
NO class on Nov. 27, Thanksgiving week]
Plus one 4-hour session for Mock Study Section (Week of Dec. 9)**

**Instructors:
Annette Fitzpatrick, PhD: fitzpal@uw.edu
Larry Kessler, ScD: kesslerl@uw.edu**

**Teaching Assistant
Taylor Rapson, MPH: trapson@uw.edu**

Course Website: TBA

Module and Date 2024	Topic	Primary Faculty
<p>September 11 Class 1</p> <p>Course Overview</p> <p>Specific Aims</p>	<p>Course Overview</p> <p>Student and research idea introductions – 3 minutes per student</p> <p>Types of Grants (NIH R-series, K-awards, PCORI, DoD, NSF, Foundations, e.g., Robert Wood Johnson)</p> <p>Components of each type of grant</p> <p>Specific Aims: What's Important in the 1-page write-up</p> <p>Reading Assignment: Buscher LF, Everything you wanted to know about the NCI grants process but were afraid to ask. DHHS 2015.</p> <p>Davidson and El-Serag, How to Prepare for and Write a Grant: Personal Perspectives. Gastroenterology 2017;152:7–11.</p>	<p>Kessler/ Fitzpatrick</p>
<p>Assignment 1 DUE Sunday 9/15/24 Noon</p>	<p><i>Submit first draft of Specific Aims to instructors</i></p>	

<p>September 18 Class 2</p> <p>Specific Aims II</p> <p>Guest Faculty</p>	<p>Specific Aims II– Continued</p> <p><i>Examples of Class Specific Aims may be shared in class</i></p> <p>Guest Faculty – What it Takes to be a Successful Grant Writer.</p> <p><i>Instructor comments on Draft 1 of Specific Aims will be returned to grantwriters.</i></p>	<p>Kessler/Fitzpatrick</p> <p>Guest Faculty TBD</p>
<p>Assignment 2 DUE class time 9/25/24 3:30 pm</p>	<p>Submit second draft of Specific Aims to instructors and peers.</p>	
<p>September 25 Class 3</p> <p>Significance and Innovation</p> <p>K-awards</p>	<p>Significance and Innovation</p> <p>Introduction to K-Awards and other Career Development Awards</p> <p>Instructions on Class Peer Review</p> <p>Reading Assignment: Ardehali H. How to write a successful grant application and research paper. Circ Res. 2014 Apr 11;114(8):1231-4. doi: 10.1161/CIRCRESAHA.114.303695.</p>	<p>Kessler/ Fitzpatrick</p>
<p>Assignment 3 Due on 10/2/24 3:30</p>	<p>Submit Significance and Innovation to peers and instructors. Upload to instructor dropbox and your group dropbox in Canvas</p>	
<p>October 2</p>	<p>NO CLASS</p>	
<p>Assignment 4 DUE Next Class 10/9/24 3:30 pm</p>	<p>Prepare written peer reviews of Specific Aims for small-group sessions</p>	
<p>October 9 Class 4</p> <p>Peer Review</p> <p>Guest Faculty</p>	<p>Peer Review and Discussion of Specific Aims – first 45 minutes</p> <p>Guest Faculty – Tips for Career Development Applications</p> <p><i>Instructor comments on Draft 2 of Specific Aims will be returned to grantwriters.</i></p> <p>Reading Assignment: K01-Parent PAR (clinical trial required) K01-Parent PAR (clinical trial not allowed) K01-Parent PAR (basic experimental studies)</p>	<p>Kessler/ Fitzpatrick</p> <p>Guest Faculty TBD</p>

Assignment 4 DUE Next Class 10/16/24 3:30 pm	Prepare written review of peers' Significance and Innovation for small group sessions. Upload to instructor dropbox and your group dropbox in Canvas.	
October 16 Class 5 Peer Review Methods I	Peer Review and Discussion of Significance and Innovation (45 minutes) <i>Examples of Class Significance/Innovation may be shared in class</i> <i>Instructor comments on Significance and Innovation will be returned to grantwriters.</i> Research Strategy: Methods I <i>Q&A: Methods</i> Reading Assignment: R01-Parent PAR (clinical trial required) R01-Parent PAR (clinical trial not allowed) R01-Parent PAR (basic experimental studies)	Kessler/Fitzpatrick
NOTE: Assignment 5 DUE day before next class: 10/22/24 3:30	Submit first draft of Methods to instructors.	
October 23 Class 6 Methods II	Research Strategy: Methods II	Kessler/Fitzpatrick
Sunday 10/27	<i>Instructor comments on Methods I will be returned to grantwriters.</i>	
Assignment 6 DUE class time 10/30/24	Submit second draft of Methods to instructors and peers	
October 30 Class 7 K-awards	More on Methods: <i>Examples of class Methods may be shared in class</i> Research Strategy: K-Awards: Promoting YOU	Fitzpatrick
Assignment 7 DUE next class 11/6/24 3:30	Prepare written review of peers' Methods for small group sessions. Upload to instructor dropbox and your group dropbox in Canvas K-Awards: Submit PI Profile to Instructors	

<p>November 6 Class 8</p> <p>Peer Review</p> <p>Analysis and Power</p>	<p>Peer Review and Discussion of Methods – 1st 45 minutes</p> <p><i>Instructor comments on Draft 2 of Methods will be returned to grantwriters</i></p> <p>Research Strategy: Analysis and Power</p>	<p>Kessler/Fitzpatrick</p>
<p>Assignment 8 DUE next class 11/13/24 3:30 pm</p>	<p>All: Submit Statistical Analysis and Power to instructors</p> <p>Submit questions on Analysis and Power to instructors</p>	
<p>November 13 Class 9</p> <p>Analysis and Power</p> <p>K-awards</p>	<p>K-Awards: Mentors and Training Plan</p> <p><i>Q&A: Questions on Analysis and Power</i></p> <p><i>K-Award PI Profiles returned to grantwriters.</i></p>	<p>Kessler/Fitzpatrick</p>
<p>Assignment 9</p>	<p>All: Continue Working on Final Draft of Grant</p>	
<p>Assignment 9-K DUE next class 11/20/24</p>	<p>K-Awards: Submit Mentors and Training Plan to Instructors</p>	
<p>November 20 Class 10</p> <p>Everything else</p> <p>Preparing for Mock Study Section</p>	<p>Everything Else: Pink Sheets, NIH Review, Co-Investigators, Biosketch, Budget, Budget Justification, Human Subjects – and submitting the grant through your department.</p> <p>Research Strategy: Conducting NIH Peer Review</p> <p>NIH Peer Review Forms and Scoring Format of Mock Study Section</p> <p><i>Examples of Class Analysis/Power may be shared in class.</i></p> <p><i>Instructor comments on Analysis and Power will be returned to grantwriters.</i></p>	<p>Kessler/Fitzpatrick</p>
<p>Monday November 25</p>	<p><i>K-Award Mentors and Training Plan returned to grantwriters</i></p>	
<p>November 27</p>	<p>NO CLASS - Thanksgiving Week</p>	<p>Kessler/Fitzpatrick</p>

<p>Assignment 10</p> <p>DUE Tuesday 12/3/24 9 PM</p>	<p>FINAL DRAFT OF GRANT DUE TO PEERS AND INSTRUCTORS</p> <p><i>Upload into Mock Study Section Group Space</i></p>	
<p>Assignment 11</p> <p>DUE Day of Mock Study Section</p>	<p>Peer Review of Assigned Grants (N=3)</p> <p><i>Upload to Mock Study Section Group Space</i></p>	
<p>December 9-14</p> <p>Two 4-hour sessions</p>	<p>LAST SESSION MOCK PEER REVIEW</p> <p>Grantwriters will be divided into two groups and assignments made for review of peers' applications. The mock study section will be based on procedures used within an NIH Study Section. R-series and K-awards will be reviewed in both groups using the appropriate review form for the two types of grants. Reviews and scores will be provided to grantwriters.</p>	<p>Kessler/Fitzpatrick to serve as Project Officers</p> <p><i>Mentors of Grantwriters will participate in Mock Study Section of their mentee</i></p>