GS21 1152 Scientific Writing Course Director: Bill Mattox Tuesday/Thursday 2:00 – 3:30 PM GSBS Large Classroom S3.8371 Two semester credit hours

Grading System: Pass/Fail

1. Prerequisites: Students should have affiliated with a faculty advisor, and developed an idea for a specific thesis project including specific aims. Usually this means they are in the second year of training in their current degree program. Registration requires permission of the course director.

This course meets the GSBS Writing Course Requirement for all PhD students.

- **2. Mode of Delivery:** We expect all lectures for this class to be offered in-person in the GSBS Large Classroom. Students who are not be able to attend an in-person session due to health reasons should notify the course director prior to class. The course director will consider making any needed and reasonable accommodations to allow virtual participation in otherwise in-person sessions.
- **3. Weekly lectures**: Required sessions will begin on August 29th. Time for all lectures is 2:00 3:30. See Schedule for details. Slides and updated course materials will be posted on the course site in Canvas https://uth.instructure.com prior to the lecture.
- **4. Small group meetings:** These required sessions will be held weekly, starting September 14th, with a faculty facilitator who is matched to the student's general area of research. Sessions are scheduled for Thursdays at 2:00 but can be held at a different time agreed to by the facilitator and all students in the group. The delivery mode of these sessions will also be determined by the facilitator who will consult with students in the group regarding the most appropriate mode.

5. Course Description

The objectives of the course are to teach critical thinking and the fundamentals of proposal writing that will help students write candidacy exam proposals, fellowship applications, grants, papers, meeting abstracts, and theses/dissertations. Students will develop a research plan and write a proposal following the format used for NIH fellowships. Students will also learn to edit and critique their fellow students' proposals, which will help prepare the students for writing and editing their candidacy exam proposal. Weekly meetings will consist of lectures from faculty/experts addressing how to organize ideas, compose grant proposal sections, and revise/polish writing. In addition, students will meet weekly with faculty in small groups to critique/discuss writing assignments during which they will be given feedback on their writing by faculty and fellow students.

6. Grading: Pass/Fail. A passing grade requires that the student:

- A. Attend all lectures and small group sessions unless excused by the instructor/moderator.
- B. Complete all assignments to the satisfaction of both the course instructor and group faculty facilitator.
- C. Participate satisfactorily in each small group session as determined by the faculty facilitator.
- D. Submit a satisfactory and complete specific aims page by October 17th and a complete research proposal on December 8th as instructed. See "Final Research Proposal Format Guidelines" on Canvas for details of formatting and expected content of your proposal.

7. Use of ChatGPT and other large language model (LLM) Al sources

As this course is specifically intended to develop your research proposal writing skills, the use of LLM online aids is prohibited for producing any of the text used in your written assignments submitted in this class. The final proposals including specific aims page will be submitted for AI detection by Turnitin.

8. Plagiarism and Originality

It is vital that <u>all materials</u> you submit during this course are from your own original writing. Plagiarism is the act of presenting the ideas or words of others as you own and is a serious form of academic misconduct and is a violation of the GSBS code of conduct. <u>Any student determined to have purposely committed plagiarism will be given a failing grade and may be subject to further disciplinary action.</u>

Please note that this means no part of the proposal, including specific aims, can be taken from the writing others. This includes your advisor's grant proposals.

GS21 1152 GSBS Scientific Writing

Class Schedule - Fall 2023

Tuesday Lectures: 2:00 – 3:30 PM Room BSRB S3.8371

All lectures are intended to be 1 to 1.5 hrs in length, some classes will end before 3:30.

<u>Thursday Small Group</u>: Scheduled time is 2:00 - 3:30 Thursdays starting Sept 14. Location to be determined by the faculty facilitator. Groups may decide on a different time to meet if all agree.

Faculty Facilitators for small groups: NS – Venkatachalam **QS** –Daniel-MacDougall, Kundu **GE** Ying/Huse, Torres **CB**- Schadler, Orlowski/Abbas **BCB** – Klegerman/Iwata

Schedule

Aug 29 Aug 31	Lecture: Class Organization Session & Why Write a Research Proposal? (Mattox/Salinas)no class
Sept 5 Sept 7	Lecture: Developing & Clearly Stating your Hypothesis (Kolonin)no class
Sept 12 Sept 14	Lecture: How to Organize What You Are Writing (Tutt)Small Group: Topics/Hypothesis Presented
Sept 19 Sept 21	Lecture: Formulating Specific Aims (Ting)Small Group: Specific Aims Presented
Sept 26 Sept 28	Lecture: How to Write a Specific Aims Page (Ting)Small Group: Specific Aims Critique
Oct 3 Oct 5	Lecture: Figures/Graphical Abstracts (Mattox)Small Group: Specific Aims Page Critique 1
Oct 10 Oct 12	Lecture: How to Write a Significance/Innovation Section (Justice)Small Group: Specific Aims Page Critique 2:
Oct 17 Oct 17 Oct 19	 Lecture: How to Write a Research Plan I (Lo) DRAFT SPECIFIC AIMS PAGE DUE - upload file on Canvas by 5 PM Small Group: Significance/Innovation Critique
Oct 24 Oct 26	Lecture: How to Write a Research Plan II (Lo)Small Group: Research Plan Critique 1
Oct 31 Nov 2	Class Discussion: Faculty Panel Q&A (Wang, Frost, Frigo)Small Group: Research Plan Critique 2
Nov 7 Nov 9	Lecture: Fine Tuning Your Proposal (Ninetto)Small Group: Final Proposal Critique
Nov 14 Nov 16	Lecture: Abstract Writing (Goodoff)Small Group: Final Proposal Critique
Nov 21 Nov 23	Thanksgiving Week – no classThanksgiving Week – no class
Nov 28 Nov 30	 Small Group: Presentations/Mock Review Panels/Continued Feedback (Tuesday -optional) Small Group: Presentations/Mock Review Panels/Continued Feedback
Dec 5	- Small Group: Presentations/Mock Review Panels/Continued Feedback (Tuesday -optional)
Dec 8	FINAL PROPOSAL DUE (5 PM) – upload as a single PDF file at the Canvas course site.

Course Directors

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Lecturers

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