

IMPORTANT: This syllabus form should be submitted to OAA (gsbs_academic_affairs@uth.tmc.edu) a week before the start of each semester.

NOTE to STUDENTS: If you need any accommodations related to attending/enrolling in this course, please contact one of the Graduate School's 504 Coordinators, Cheryl Spitzenberger or Natalie Sirisaengtaksin. We ask that you notify GSBS in advance (preferably at least 3 days before the start of the semester) so we can make appropriate arrangements.

<p>Term and Year: Summer 2024</p> <p>Course Number and Course Title: GS03 1111: Scientific Writing for Grant Proposals</p> <p>Credit Hours: 1</p> <p>Meeting Location: Hybrid</p> <p>Building/Room#: MSE R233</p> <p>WebEx/Zoom Link: TBA</p>	<p>Program Required Course: Yes</p> <p>Approval Code: Yes (If yes, the Course Director or the Course Designee will provide the approval code.)</p> <p>Audit Permitted: Yes</p> <p>Classes Begin: June 17</p> <p>Classes End: August 5</p> <p>Final Exam Week: N/A</p>
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Class Meeting Schedule:

NOTE: All lectures are in person and Workshops are online.

Day	Time
Monday and Thursday	10:00 11:30 a.m.

<p>Course Director Name and Degree: Xiaodong Cheng, PhD Title: Professor Department: Integrative Biology and Pharmacology Institution: UTH Email Address: xiaodong.cheng@uth.tmc.edu Contact Number: 713-500-7487</p> <p>Course Co-Director/s: (if any) Name and Degree: Alemayehu (Alex) Gorfe, PhD Title: Professor Department: Integrative Biology and Pharmacology Institution: UTH Email Address: alemayehu.g.abebe@uth.tmc.edu Contact Number: 713-500-7538</p>	<p>Instructor/s (Use additional page as needed)</p> <p>1. Xiaodong Cheng, PhD Name and Degree Institution: Integrative Biology and Pharmacology Email Address: xiaodong.cheng@uth.tmc.edu</p> <p>2. Alemayehu (Alex) Gorfe, PhD Name and Degree Institution: Integrative Biology and Pharmacology Email Address: alemayehu.g.abebe@uth.tmc.edu</p> <p>3. Michael Zhu, PhD Name and Degree Institution: Integrative Biology and Pharmacology Email Address: michael.x.zhu@uth.tmc.edu</p>
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Name and Degree: **Michael Zhu, PhD**
Title: **Professor**
Department: **Integrative Biology and Pharmacology**
Institution: **UTH**
Email Address: michael.x.zhu@uth.tmc.edu
Contact Number: **713-500-7538**

NOTE: Office hours are available by request. Please email me to arrange a time to meet.

Teaching Assistant: (if any)

N/A

Name and Email Address

Course description:

“Scientific Writing For Grant Proposals” is a one credit mini-course offered every summer term which will fulfill the GSBS writing requirement. The class will meet twice per week. Subject matter will include formal lectures about writing the major sections of an NIH fellowship, and workshops to go over student submissions. The final classes will be mock study sections with peer review. This course may be most useful for second year students preparing for their qualifying examination and potential fellowship applications.

Textbook/Supplemental Reading Materials (if any)

- TBD

Course Objective/s:

Upon successful completion of this course, students will ...

Specific Learning Objectives:

1. Learn the components and content of an NIH fellowship.
2. Learn to effectively write each of the major sections of a predoctoral fellowship.
3. Develop critical thinking skills and how to effectively transmit ideas onto paper.
4. Learn how to provide effective feedback on peers’ grants and to participate in a study section.

Student responsibilities and expectations:**Course Requirements**

The course will be graded Letter Grade (A-F) . Grading will be determined by attendance, timely submission of grant subsections, and active participation in class. If a student is not able to attend a class, Dr. Cheng or Dr. Gorfe, or Dr. Zhu *must* be notified ahead of time.

Assignments

- Specific Aims (SA) section: due on June 21 (Friday) by 5 pm
- Revised SA section: due on June 25 (Tues) by 5 PM
- Significance, Innovation, and Rigor (SIR) section: due on July 12 (Fri) by 5 pm
- Revised SIR section: due on July 20 (Sat) by 5 pm
- Approach section: due on July 22 (Mon) by 5 pm
- Full proposal: due on July 29 (Monr) by 5 pm

Grading System: Letter Grade (A-F)**Student Assessment and Grading Criteria :** *(May include the following:)*

Percentage	Description
Participation and/or Attendance (40 %)	Class attendance and active participation in workshops.
Submission of grant subsections (40 %)	The subsections must be submitted on or before the due dates and must be a full draft in accordance with the instructions presented in class.
Written Peer Review (20 %)	Written peer review critiques and study section presentation of grants

CLASS SCHEDULE

Date	Duration (Hour(s) taught by lecturer)	Lecture Topic	Lecturer/s
Monday, June 17	1.5 hrs.	Lecture 1/2: Course Introduction; Specific Aims (SA)	Cheng
Thursday, June 20	1.5 hrs.	Lecture 3: Significance, Innovation, and Rigor (SIA)	Cheng
Monday, June 24	1.5 hrs.	SA Workshop #1	Gorfe/Zhu/Cheng
Thursday, June 27	1.5 hrs.	SA Workshop #2	Gorfe/Zhu/Cheng
Monday July 15	1.5 hrs.	Lecture 4: Approach	Cheng
Thursday July 18	1.5 hrs.	SIR Workshop #1	Gorfe/Zhu/Cheng
Monday July 22	1.5 hrs.	SIR Workshop #2	Gorfe/Zhu/Cheng
Thursday, July 25	1.5 hrs.	Approach Workshop	Gorfe/Zhu/Cheng
Monday, July 29	1.5 hrs.	Lecture 5/6: Biosketch; Training Plan	Cheng
Thursday August 1	1.5 hrs.	Mock Study Section	Gorfe/Zhu/Cheng
Monday, August 5	1.5 hrs.	Mock Study Section	Gorfe/Zhu/Cheng