

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.

Term and Year: Summer 2023 Course Number and Course Title: GS03 1111: Scientific Writing for Grant Proposals Credit Hours: 1 Meeting Location: Virtual Building/Room#: WebEx/Zoom Link:	Program Required Course: Yes <input checked="" type="checkbox"/> No Approval Code: Yes <input checked="" type="checkbox"/> No (If yes, the Course Director or the Course Designee will provide the approval code.) Audit Permitted: Yes <input checked="" type="checkbox"/> No Classes Begin: July 6 Classes End: August 10 Final Exam Week: N/A						
Class Meeting Schedule <table border="1"> <thead> <tr> <th>Day</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>Monday and Thursday</td> <td>10:00 11:30 a.m.</td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Day	Time	Monday and Thursday	10:00 11:30 a.m.		
Day	Time						
Monday and Thursday	10:00 11:30 a.m.						
Course Director Name and Degree: Xiaodong Cheng, PhD Title: Professor Department: Integrative Biology and Pharmacology Institution: X UTH MDACC Email Address: xiaodong.cheng@uth.tmc.edu Contact Number: 713-500-7487 Course Co-Director/s: (if any) Name and Degree: Alemayehu (Alex) Gorfe, PhD Title: Professor Department: Integrative Biology and Pharmacology Institution: X UTH MDACC Email Address: alemayehu.g.abebe@uth.tmc.edu Contact Number: 713-500-7538	Instructor/s (Use additional page as needed) 1. Xiaodong Cheng, PhD Name and Degree Institution: Integrative Biology and Pharmacology Email Address: xiaodong.cheng@uth.tmc.edu 2. Alemayehu (Alex) Gorfe, PhD Name and Degree Institution: Integrative Biology and Pharmacology Email Address: alemayehu.g.abebe@uth.tmc.edu 3. Michael Zhu, PhD Name and Degree Institution: Integrative Biology and Pharmacology Email Address: michael.x.zhu@uth.tmc.edu						

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 1 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 participate in a study section.

Student responsibilities and expectations:

Course Requirements

The course will be graded 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, Dr. Abebe or Dr. Zhu must be notified ahead of time.

Assignments

- Specific Aims (SA) section: due on July 10 (Mon) by 5 pm
- Revised SA section: due on July 15 (Sat) by 5 PM
- Significance, Innovation, and Rigor (SIR) section: due on July 19 (Wed) by 5 pm
- Revised SIR section: due on July 25 (Tue) by 5 pm
- Approach section: due on July 28 (Fri) by 5 pm
- Full proposal: due on August 4 (Fri) by 5 pm

Grading System: 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
Midterm Exams (%)	
Final Exam (%)	
Workshop or Breakout-Session (%)	

CLASS SCHEDULE

Date	Duration (Hour(s) taught by lecturer)	Lecture Topic	Lecturer/s
July	1.5 hrs.	Lecture 1/2: Course Introduction; Specific Aims (SA)	Cheng
July 1	1.5 hrs.	Lecture 3: Significance, Innovation, and Rigor (SIA)	Cheng
July 1	1.5 hrs.	SA Workshop #1	Gorfe/Zhu/Cheng
July 1	1.5 hrs.	SA Workshop #2	Gorfe/Zhu/Cheng
July 2	1.5 hrs.	SIR Workshop #1	Gorfe/Zhu/Cheng
July 2	1.5 hrs.	Lecture 4: Approach	Cheng
July 2	1.5 hrs.	SIR Workshop #2	Gorfe/Zhu/Cheng
July 31	1.5 hrs.	Approach Workshop	Gorfe/Zhu/Cheng
August 3	1.5 hrs.	Lecture 5/6: Biosketch; Training Plan	Cheng
August 7	1.5 hrs.	Mock Study Section	Gorfe/Zhu/Cheng
August 10	1.5 hrs.	Mock Study Section (if necessary)	Gorfe/Zhu/Cheng

XC/jal