

AMS 300.S01 Writing in Applied Mathematics

Credit hours: 1

Lecture: Mondays, 2:30–3:23 p.m.

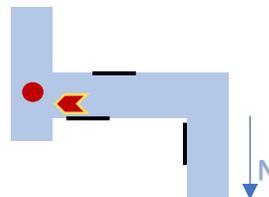
Lecture location: Melville Library, N4006

Instructor: Francesca G. Polo

Office hours(OH): Tuesdays, Noon–3:00 p.m. or by appointment

OH location: Old Computer Science, Room–1440

Contact email: francesca.polo@stonybrook.edu



OH held in Old Computer Science Bldg.

Prerequisites: WRT 102, AMS major, and U3 or U4 standing.**Purpose:**

The course AMS 300 introduces students to writing as an evolving, recursive process and prepares them to write for an academic audience. Students will focus on the process of writing to include planning, drafting, and revising stages. Students will reinforce their communication skills by giving an oral presentation on a mathematical topic with a focus on technical competence, communications skills, professionalism, and the development of lifelong learning skills. Two additional reflection essays will be used to guide students to plan, monitor, and assess their own understanding and performance.

Course Learning Objectives:

Student outcomes describe what you, the student, are expected to know and be able to do by the time you complete the course. A student who successfully fulfills the course requirements will have demonstrated the following.

1. Students will apply knowledge of mathematics by communicating it to an academic audience.
2. Students will identify instances of plagiarism and explain why it is a serious offense in academic writing.
3. Students will demonstrate knowledge of academic writing conventions by incorporating them into their own writing.
4. Students will incorporate feedback received on a written draft and develop an updated version.
5. Students will communicate effectively in speaking about their topic to an academic audience.
6. Students will reflect and articulate their thought processes towards planning, monitoring, and assessing their own understanding and performance.
7. Students will demonstrate professional and ethical values.
8. Students will demonstrate the impact of effectively communicating mathematical, academic work in multiple contexts, including: economic, environmental, and global.

Method of Instruction: One one-hour lecture per week.

Course Textbook:

Style: The Basics of Clarity and Grace, by Joseph M. Williams, Joseph Bizup, 5thth edition. Pearson. ISBN-13: 978-0-321-95330-8

Resources:

- Stony Brook's Writing Center <https://www.stonybrook.edu/writingcenter/>
- Purdue Online Writing Lab (OWL): https://owl.purdue.edu/owl/research_and_citation/using_research/avoiding_plagiarism/index.html

Schedule:

Date	Dates we meet	Assigned work
08/26	Course Introduction Review of syllabus	<ul style="list-style-type: none"> • Acquire textbook • Assignment #1, on Blackboard [Due: Sun., 09/01] • Read Ch.1 &Ch.2 and be ready to discuss in next class
09/02	*	
09/09	Discuss Understanding Style (Ch.1) and Actions (Ch.2)	Assignment #2, on Blackboard [Due: Sat., 09/21]
09/16	*	
09/23	*	Read Ch.3 and be ready to discuss in next class
09/30	Discuss Characters (Ch.3)	
10/07	*	Assignment #3, on Blackboard
10/14	*	Read Ch.4 and be ready to discuss in next class
10/21	Discuss Cohesion and Coherence (Ch.4). Presenting work to an audience	Assignment #4, on Blackboard Students are assigned a presentation date
10/28	*	
11/04	Presentations	
11/11	Presentations	
11/18	Presentations	
11/25	Presentations	
12/02	Presentations	Assignment #5, on Blackboard [Due: Sun., 12/08]
12/09	Course wrap-up Final feedback	

* we will not be meeting on this day

Evaluation Criteria:

The grading scheme for AMS300 is Satisfactory(S) or Unsatisfactory(U). To earn a grade of Satisfactory a student must attend and participate in class and complete each assignment by its respective deadline, and each assignment must be of passing quality.

If you attend the lectures, have read and comprehended the chapter readings and are incorporating them into your writing, later updating your drafts based on my feedback as well as making use of office hours as needed, you will maximize the benefits of the course to improve your writing and oral presentation skills.

Last day to add/drop: Monday, September 9th, 4:00 p.m.

Last day to withdraw with a grade of "W": Friday, October 25th, 4:00 p.m.

Incomplete ("I") and Withdraw ("W") grades:

An incomplete grade will only be given after the semester ends and only for appropriate hardship situations. An incomplete grade will not be given to students failing and/or falling behind in their work.

You can expect that as the instructor, I will:

- Provide a supportive learning environment that fosters your success.
- Create assignments and exercises that are meaningful to you.
- Provide detailed, constructive formative feedback on your written drafts.
- Honor and respect your interests.
- Generally, return drafts with feedback to you within 10-14 days.
- Almost always respond to email within 24 hours during the workweek. Please do not expect a 20-minute turn-around, although this may often be the case.
- Reserve the right to modify anything on this syllabus including reading assignments, lecture topics, homework assignments, etc. however, I will do so with plenty of notice via in-class announcements and/or using Blackboard.

You are expected to:

- Arrive to class on-time and participate during lectures.
- Submit all assignments both in hardcopy and to Blackboard by their respective deadlines.
- Daily, check Blackboard for additional course content, announcements or messages. If I need to contact you personally, or contact the entire class, I will use this system.
- Know that discussion among students to learn and understand the material is encouraged. However, individual and original efforts are expected for all assignments in this course.

- Utilize office hours to your maximum benefit, especially if you have spent a considerable amount of time trying to understand an individual concept or overcome a barrier. Sometimes all that is needed to advance your understanding is to approach the problem from a different perspective.
- Stony Brook University does not condone any form of academic dishonesty. Any act of improperly representing another person's work as your own is construed as an act of academic dishonesty. Refer to Stony Brook University's policy on academic integrity below.

Academic Integrity:

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

Student Accessibility Support Center (SASC):

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact the Student Accessibility Support Center (SASC), ECC (Educational Communications Center) Building, room 128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation are confidential. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and the staff at the Student Accessibility Support Center (SASC). For procedures and information go to the following website: <http://www.stonybrook.edu/ehs/fire/disabilities>

Critical Incident Management:

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn.