

Fall 2023

ENGL-621 (001): Technical Writing for Graduate Students

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English 621-001 (Fall 2023)
Technical Writing for Graduate Students

Professor:	Dr. Victoria Livingstone
Office:	Cullimore 423
Office Hours:	Tue. 12-1 p.m.; Wed. 11:30-12:30 or by appt. (appointments may be scheduled in person or via Webex)
Email:	vjliv@njit.edu
Webex Room (by appt.):	https://njit.webex.com/meet/vjliv
Course location:	Central King Building G-17A (Writing Center classroom)
Course Schedule:	Tuesday/Thursday 1-2:20 p.m.

Course Description

This course will help you develop and refine your oral and written communication skills. Topics covered include writing and reviewing academic journal articles, dissertation writing, grant proposals, job applications and resumes, slide and poster design, incorporating visuals in journal articles, and writing instructional manuals. The course is designed for PhD students whose first language is not English, but it is also open to master's students and native English speakers who want to improve their academic writing.

The approach is practical. Your major project in this course will be drafting and revising a document that furthers your graduate education. This may be part of your dissertation, an article, a grant proposal, etc. The course will often take the form of a workshop. You will receive feedback from your peers as well as from the instructor (via writing consultations). We will also work on correcting grammar and refining style as appropriate to your discipline. Special attention will be paid to the organization of your writing.

Prerequisites: There are no prerequisites for this course.

Learning Outcomes

1. Become aware of the conventions of different genres of academic writing (literature review, annotated bibliography, conference paper, etc.)
2. Learn the stylistic principles of clear technical writing.
3. Make substantial progress on a project that is central to your research (an article, part of your dissertation, a grant application, etc.) and revise for content, style, and grammar.
4. Give substantial feedback to your peers through comments in Google docs and in live (in-class) workshops.
5. Practice collaborative work habits necessary for effective cooperation on grants, papers, and reports.
6. Communicate in writing, clearly and concisely with scholars outside of your field of expertise (your major)
7. Identify patterns within your writing (this includes proofreading for grammatical errors as well as structure and style).
8. Give two oral presentations to an audience of peers; respond to questions in a professional, confident manner.

Important Notes:

- This syllabus is subject to change. I will always notify you in advance of any change.
- You are responsible for checking your email and the Canvas page for updates.
- I will do my best to respond to emails within 24 hours.
- **Policy on Late Assignments:** The general policy is the following: For each day (not class period) the assignment is late, the grade will drop by half a letter grade. If you have some extenuating circumstance, please let me know.

ChatGPT (and other Generative AI)

In this class, we will spend some time discussing generative AI (e.g., ChatGPT, Bard, Bing, etc.) and I will give you some assignments that involve the use of these tools. However, the primary goal of this course is to help you become a stronger writer. For that reason, any use of ChatGPT or other generative AI is prohibited unless it is built into the assignment. **Any use of generative AI without the explicit permission of the instructor will be considered a violation of academic integrity and referred to the Dean (see the academic integrity policy below).**

Please note that Grammarly uses AI.

It is also important to recognize that generative AI is limited and unreliable. If you ask ChatGPT to produce a bibliography, for example, it will invent citations. As a researcher, you cannot rely on these programs! Further, ChatGPT (and other generative AI) is a large language model (LLM) that does not produce original material. Rather, it is trained on existing data and tends to produce uninteresting text. It will not help you become a stronger thinker or researcher. As generative AI is so new, we are learning about it together. Do not hesitate to bring up any questions or concerns.

Academic Integrity

“Academic Integrity is the cornerstone of higher education and is central to the ideals of this course and the university. Cheating is strictly prohibited and devalues the degree that you are working on. As a member of the NJIT community, it is your responsibility to protect your educational investment by knowing and following the academic code of integrity policy that is found at: <http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf>.

Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. **Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university.** If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at dos@njit.edu”

All assignments submitted shall be considered “graded work” and all aspects of your coursework are covered by the Code on Academic Integrity. All projects and homework are to be completed individually unless otherwise specified.

A Note on the Use of Technology

We will often work on writing and editing in class, so you should bring your laptop to class. However, I expect you to be focused on the work for our class. If I notice you are distracted, on your phone, or doing work for other classes, your participation grade will be significantly lowered.

Special Needs

Every attempt will be made to accommodate qualified students with disabilities. If you are a student with a documented disability, please see me as early in the semester as possible to discuss the necessary accommodations and/or contact Student Disability Services at 973-596-3420.

Required Materials

1. Caplan, Nigel A. *Grammar Choices for Graduate and Professional Students*. University of Michigan Press, 2012. ISBN: 978-0-472-03731-5 (either a print version or ebook is fine)
2. Swales, John M.; Feak, Christine B. *Academic Writing for Graduate Students*, 3rd edition. University of Michigan Press, 2012. ISBN: 9780472034758, July 2012 (either a print version or ebook is fine)
3. All other material will be made available through Canvas.

Other Resources:

- Completed dissertations from NJIT graduate students:
<https://digitalcommons.njit.edu/dissertations/> Note that there are a number of other valuable resources on this page as well.
- Strunk, William Jr. *The Elements of Style*. Originally published in 1860. Available in hard copy at the NJIT library.
- Krathwohl, David R.; Smith, Nick L. *How to Prepare a Dissertation Proposal: Suggestions for Students in Education and the Social and Behavioral Sciences*, 2005. Available in hard copy at the NJIT library.
- *Federal Plain Language Guidelines*. Freely available from <https://www.plainlanguage.gov/guidelines/>
- Glasman-Deal, Hilary. *Science Research Writing for Non-Native Speakers of English*. 2010.. Imperial College Press. [ebook available via the NJIT library](#)
- Heard, Stephen B. *The Scientist's Guide to Writing*. 2016. Princeton University Press.
- Forvo <https://forvo.com/> Allows you to type in words to hear pronunciations
- *The New York Times* Free subscription available through NJIT:
<https://researchguides.njit.edu/nytimes>

Description of Assignments and Grade Breakdown

Grading Scale

A = 90-100	B+ = 87-89	B = 80-86	C+ = 77-79	C = 70-76	D = 60-69	F = 0 – 59
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ASSIGNMENT	DESCRIPTION	PERCENTAGE OF FINAL GRADE
Major project	This should be a project central to your graduate program. It could be a literature review, journal article, dissertation proposal, grant proposal, part of your dissertation, conference paper, a paper on a subject you are studying now, etc. The minimum length for this project is 10 double spaced pages or 4,000 words. You will draft and closely revise this document so that you have polished work by the end of the semester.	40%
Proposal and annotated bibliography	Related to your major project.	10%
Short writing assignments (article abstracts, other short assignments, grammar/style exercises, etc.)	Assigned throughout the semester; may include article abstracts, reflections on your writing, cover letters and other parts of the academic dossier, progress report, etc. Assignments will always be posted to Canvas.	30%
Presentations	One brief oral presentation on genre conventions/writing craft/revision and a longer final presentation based on your major project. The final presentation will be a multimedia presentation. Part of your grade will be based on your ability to field questions spontaneously. This will help you prepare for future professional presentations as well as your dissertation defense. Presentations will be explained in greater detail later in the semester. The professor may include other brief presentations if time allows. These would be factored into this portion of the grade.	10%

Peer review and discussions + Class participation	You will do peer review for various assignments during the semester both through Google docs and orally. Your feedback should be substantial and constructive. Giving feedback will help you improve your own writing	10%
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Class Calendar

The instructor reserves the right to modify class topics. Changes for assignments and due dates will be announced in advance.

Week 1 (Tue., Sep. 5, Thu., Sep. 7)

Introduction to course and to your peers

NDA (nondisclosure agreement)

Writing as Thinking

Precision in language; writing manuals/in-class technical writing exercise.

Week 2 (Tue., Sep. 12, Thu., Sep. 14)

Monday Sept. 11th: Last Day to Add/Drop a Class

Read and annotate "[The Science of Scientific Writing](#)" (Gopen & Swan, 1990)

Introduction to craft analysis

Adjusting register in writing; writing formal/professional emails

Conventions of academic journal writing within your field

Analysis of a scientific article in your field

Caplan Ch. 8.: Beyond the Sentence

Week 3 (Tue., Sep. 19, Thu., Sep. 21)

Proposal with timeline for major project

Discussion: ChatGPT/AI-generated text and human writing

In-class writing on generative AI

Writing abstracts; writing with key words

Summarizing, quoting, and paraphrasing

Plagiarism and self-plagiarism

Proofreading strategies

Conduct research on writing conventions for your major project

Week 4 (Tue., Sep. 26, Thu., Sep. 28)

**Tue., Sept. 26th: Meet in the library classroom CAB 1050
(for a session with Jill Lagerstrom, Research librarian)**

Presentations: Genre and craft awareness/the revision process

Dissertation proposals

Ethics in technical/professional writing

Making your writing more concise

Caplan Ch. 2.: Clause Combination

Week 5 (Tue., Oct. 3, Thu., Oct. 5)

<https://researchguides.njit.edu/jlagerstrom>

Reviewing journal articles

Organizing your research and citations

Caplan Ch. 3.: Embedded, Noun, and Complement Clauses

Week 6 (Tue., Oct. 10, Thu., Oct. 12)

Incorporating visuals in journal articles

Annotated bibliography major project

Caplan Ch. 4.: Verb Forms

Week 7 (Tue., Oct. 17, Thu., Oct. 19)

Research Awards and Grant proposals

Partial draft major project/writing workshop

Strategies for improving readability: parallel structures

Caplan Ch. 5: The Noun Phrase

Thur., Oct. 19th: Class Visit- Dr. Casey Diekman (Associate Professor in the Department of Mathematical Sciences)

Week 8 (Tue., Oct. 24, Thu., Oct. 26)

Partial draft major project/writing workshop

Caplan Ch. 6: Hedging, Boosting, and Positioning

Week 9 (Tue., Oct. 31, Thu., Nov. 2)

Partial draft major project/writing workshop

Caplan Ch. 7: Collocation and Corpus Searching

Dossiers for the academic job market: cover letters and CVs

Week 10: (Tue., Nov. 7, Thu., Nov. 9)

Nov. 7th: Class visit. Ms. Clarisa González-Lenahan, Director of Graduate Studies.

Visual Communication: Effective slide and poster design

Week 11 (Tue., Nov. 14, Thu., Nov. 16)

Monday Nov. 13th: Last Day to withdraw from a course

Complete draft due/major project

Writing Workshops/Revision exercises

Week 12 (Tue., Nov. 21 only)

Thu., Nov. 23: No class: Happy Thanksgiving!

Writing Workshops/Revision exercises

Week 13: (Tue., Nov. 28, Thu., Nov. 30)

Presentations on major project

Week 14 (Tue., Dec. 5, Thu., Dec. 7)

Final version major project

Presentations on major project

Week 15 (Tue., Dec. 12th only)

Course wrap-up; reflections on how to be a good editor of your own work; review of proofreading strategies.

* There is no final exam in this course *