

Cleveland State University College of Engineering

ESC 720 - Research Communications
Fall 2019**Instructor:** Jon Negrelli

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Textbooks are provided based on student's assignment:

1. *Technical Writing in Action: Practical Applications for STEM Students*. Preliminary Edition
2. *A Guide to Writing as an Engineer*, 3rd or 4th Edition, David Beer & David McMurrey, Wiley.
2. Personal notebook: to collect writings, drawings, and assignments.
3. Chicago Manual of Style (15th or 16th edition) not required.

Prerequisites: None**Goals and Objectives:** This course is designed to enhance the ability of engineering doctoral students to communicate effectively in technical areas and in technical venues.**Overview of Assignments:**

Course is divided into three areas of expertise:

1. **Research:** students shall demonstrate the ability to cite their references in several accepted methods:
<https://researchguides.csuohio.edu/esc102>
https://owl.purdue.edu/owl/research_and_citation/resources.html
 - a. American Psychological Association (APA)
 - b. Modern Language Association (MLA)
 - c. Institute of Electrical and Electronics Engineers (IEEE)
 - d. American Medical Association (AMA)
 - e. Chicago Manual of Style (CMOS)
2. **Pedagogy:** Instructional Design, Develop course material at the graduate and undergraduate level.
 - a. Students shall develop course content and present this to undergraduate classes.
 - b. Tables and graphics, 3D drawing
3. **Industry:** Work for large or small business, entrepreneurship.

Other assignments:

- Poster creation for presentation
- Proposal and proposal guidelines
- Review forms (Research, Dissertation Signature Page, etc.)
<https://www.csuohio.edu/engineering/academics/doctor-philosophy-phd-in-engineering>
- Ethics concerns
- Robert's Rules of Order

Course Ethics:

Cleveland State University has discovered that some students are paying entities, both individuals and companies, to do the majority or all their academic work. Some of these activities are not typically identifiable by the faculty member. While the university is investigating these activities and working with academic leadership team and faculty to update our procedures to handle academic misconduct, we are asking for your support in educating our students about academic honesty by including the following statement in your syllabi:

Academic Honesty. *"Cheating" means intentionally misrepresenting the source, nature, or other conditions of academic work to receive undeserved credit. Cleveland State University affirms that acts of cheating debase the academic degree awarded, have no place in the University, and are severe offenses to academic goals, objectives and the rights of fellow students. CSU does not tolerate any type of cheating and will take disciplinary action up to and including expulsion.*

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Grading Criteria: Pass/Fail

Last Revised: August 26, 2019