



**DEPARTAMENT:** ELECTRICAL ENGINEERING

**SUBJECT:** Theses and Articles Writing

**INICIALS:** TAW

**TOTAL HOURS:** 60

**THEORY:** 30 h

**PRACTICE:** 30 h

**COURSE:** Master and Doctoral degree on Electrical Engineering

**PROFESSOR/LECTURER:** PhD. Pedro Bertemes Filho ([pedro.bertemes@udesc.br](mailto:pedro.bertemes@udesc.br))

**REQUIREMENTS:** Basic knowledge on scientific methodology.

**OBJECTIVES:** To increase the quality of the English writing skills focusing on theses/dissertations and articles/papers; To be able to effectively communicate ideas for others to accept and use them; To help the students ideas gain acceptance.

**COURSE SYLLABUS:** Introduction on scientific writing; Planning to write, Outlining, Writing, and Polishing theses/articles.

**COURSE PROGRAM CONTENT:**

- 1 – Introduction on scientific writing
  - Introductions
  - Overview of science writing
  - Review of major assignments and course schedule
- 2 – Planning to write
  - Overview
  - Audience
  - Focus
  - Homework 1
- 3 - Outlining
  - Format structure
  - Outlining
  - Bullets to sentences
  - Homework 2
- 4- Writing
  - Reader first
  - Paragraphs 1
  - Paragraphs 2
  - Homework 3
- 5 – Polishing
  - Design
  - Outlining revisited
  - Powerful ideas
  - Homework 4
- 6 Class summary and presentations

**METHODOLOGY:** The course is in English and about English, but does not emphasize grammar or spelling. Rather, the course focuses on strategies and techniques that make your communications more effective. Writing is the central theme. However, the general techniques also apply to speaking and the final two sessions focus on presentations. The classes are expository presentations by using slides electronically projected and the white board. Homework presentations related to this subject are asked. Each 3,4 hour class meeting is divided into twice for a total of 15, 50-minute sessions, including lecture, illustrations form, activities (planning or outlining or writing or editing practice) and hints.

**PERFORMANCE ASSESSMENT:** Students develop a portfolio of materials that they have written or edited from homework (HW). This shows their commitment and provides a measure of their progress, including the final presentation (FP). The final score (FS) will be calculated as it follows:

$$\text{FS} = 0.6 * (\text{HW1} + \text{HW2} + \text{HW3} + \text{HW4}) / 4 + 0.4 * \text{FP}$$

## REFERENCES

Alley, Michael. (2003). The Craft of Scientific Presentations. New York: Springer-Verlag. **E-book.**

Portuguese/English Dictionary (a version at your level, i.e., introductory, intermediate or advanced).

Swan, Michael. (1995). Practical English Usage. Oxford: Oxford University Press. **E-book.**

Turabian, K. L. (1996). A Manual for Writers of Papers, Theses, and Dissertations (6th ed.). Chicago: University of Chicago Press. **E-book.**

Deborah Blum, Mary Knudson, Robin Marantz Henig. A Field Guide for Science Writers, Second Edition (2005, paperback). **E-book.**

On Writing Well: The Classic Guide to Writing Nonfiction. 30th anniversary edition (2006, paperback) by William K. Zinsser. **E-book.**

**Manual para elaboração de trabalhos acadêmicos da UDESC:** tese, dissertação, trabalho de conclusão de curso e relatório de estágio. 4ª edição, 2013. Disponível em: [http://www.cav.udesc.br/arquivos/id\\_submenu/665/manual\\_a5\\_livro\\_eletronico.pdf](http://www.cav.udesc.br/arquivos/id_submenu/665/manual_a5_livro_eletronico.pdf)

DAY, Robert A.; GASTEL, Barbara. How to write and publish a scientific paper. 7. ed. Santa Barbara, Calif.: Greenwood Press, c2011. 300 p.