EHELD Fast Start 2013

Student Manual

Excellence In Higher Education for Liberian Development

Developed by:

The University of Michigan

Technical Writing - List of Open Educational Resources

Creator: Open.Michigan, University of Michigan (Updated 31 Mar 2013)

Description:

Open Educational Resources are learning materials that are free, public, and shared under licenses that allow people to copy, translate, adapt, and share with others.

Tags: Writing, technical

1. WA State Board for Community & Technical Colleges, Technical Writing
    [http://www.oercommons.org/courses/technical-writing-engl-235, http://cnx.org/content/m41511/latest/]
    Notes: Type: Course; Found Using: OERCommons.org

    Description: Discussions and assignments in this class reveal methods for developing the writing skills and techniques needed to communicate effectively and efficiently in professional and technical industries. The course explores techniques for gathering, organizing, and presenting technical information in written reports for technical and non-technical readers. By studying the purpose and design of reports commonly used in business and technical industries, students will gain practical writing experience and stronger persuasive skills, which will also be useful in academic writing. Students work will focus on writing reports, memorandums, and other business and technical documents with an emphasis on layout, tone, clarity, and conciseness. Course includes instruction in research technique, research paper formatting, and academic documentation, culminating in a formal report on a technical topic.

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2. Massachusetts Institute of Technology, Introduction to Technical Communication: Explorations in Scientific and Technical Writing [http://ocw.mit.edu/courses/writing-and-humanistic-studies/21w-732-5-introduction-to-technical-communication-explorations-in-scientific-and-technical-writing-fall-2006/]
    Notes: Type: Course; Found Using: OERCommons.org

    Description: This course is designed to help you develop skills that will enable you to produce clear and effective scientific and technical documents. We will focus on basic principles of good writing-which scientific and technical writing shares with other forms of writing-and on types of documents common in scientific and technical fields and organizations. While the emphasis will be on writing, oral communication of scientific and technical information will form an important component of the course, as well.

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3. Massachusetts Institute of Technology, Science and Engineering Writing for Phase II
    [http://ocw.mit.edu/courses/writing-and-humanistic-studies/21w-783-science-and-engineering-writing-for-phase-ii-fall-2002/]
    Notes: Type: Course; Found Using: OERCommons.org

    Description: A brief overview of technical writing; topics include document structure, graphics, grammar, and style. Introduces the student to writing substantial technical documents that reflect the student's expertise.

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4. Massachusetts Institute of Technology, Write Better: Technical Writing
    Notes: Type: Course; Found Using: OERCommons.org

    Description: Materials emphasizing ways to improve writing skills.

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5. The Cain Project In Engineering And Professional Communication, A Guide to Writing a Comparison Assessment Report [http://cnx.org/content/m17128/latest/]
    Notes: Type: Article; Found Using: OERCommons.org

    Description: This guide may be used in preparing reports in which a client or manager has requested a comparison of equipment or other solutions. The guide may also assist in preparing the Flowmeter Report for the Rice University Mechanical Engineering Laboratory in Heat Transfer, Thermodynamics, and Engine Cycles (MECH 431).

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6. The Cain Project In Engineering And Professional Communication, A Brief Introduction to Technical Style
    [http://cnx.org/content/m16059/latest/]
    Notes: Type: Article; Found Using: OERCommons.org

    Description: Technical style conveys information about a scientific or engineering topic concisely and clearly. Technical style emphasizes means, actions, and results more than human agents.

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7. The Cain Project In Engineering And Professional Communication, **Common Errors to Avoid in Scientific Writing**
    [http://cnx.org/content/m16061/latest/]
    Notes: Type: Article; Found Using: OERCommons.org

    Description: This handout defines and shows examples of grammar, usage, and style errors commonly seen in undergraduate writing in the sciences. During class, students might be asked to revise each example.

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8. The Cain Project In Engineering And Professional Communication, **Copyright and Electronic Publishing: Citation**
    [http://cnx.org/content/m15914/latest/]
    Notes: Type: Article; Found Using: OERCommons.org

    Description: This document focuses on why and how electronic sources must be cited so that students can avoid plagiarism. Because students now routinely use readily available electronic sources for their papers, they must learn how to properly cite them. You will have more complete coverage of plagiarism issues if you use an attorney.

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9. The Cain Project In Engineering And Professional Communication, **Displaying Data in Written Documenta**
    [http://cnx.org/content/m16576/latest/]
    Notes: Type: Article; Found Using: OERCommons.org

    Description: This document focuses on why and how electronic sources must be cited so that students can avoid plagiarism. Because students now routinely use readily available electronic sources for their papers, they must learn how to properly cite them. You will have more complete coverage of plagiarism issues if you use an attorney.

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10. The Cain Project In Engineering And Professional Communication, **First Impressions: Writing a Good Abstract**
    [http://cnx.org/content/m15924/latest/]
    Notes: Type: Article; Found Using: Cnx.org

    Description: This document focuses on why and how electronic sources must be cited so that students can avoid plagiarism. Because students now routinely use readily available electronic sources for their papers, they must learn how to properly cite them. You will have more complete coverage of plagiarism issues if you use an attorney.

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11. The Cain Project In Engineering And Professional Communication, **How to Read a Scientific Article**
    [http://cnx.org/content/m15912/latest/, http://cnx.org/content/m16039/latest/]
    Notes: Type: Article; Found Using: Cnx.org

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12. The Cain Project In Engineering And Professional Communication, **Three Modules on Clear Writing Style: An Introduction to The Craft of Argument** [http://cnx.org/content/col10551/latest/]
    Notes: Type: Article; Found Using: Cnx.org

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13. Saylor.org, **Engineering Communication** [http://www.saylor.org/courses/me304/]
    Notes: Type: Course; Found Using: Saylor.org

    Description: Effective communication is essential to teamwork, and teamwork is essential to accomplishing complex engineering work. In this course, you will learn several aspects of effective technical communication that will help prepare you to work successfully on an engineering team. The strategies and techniques learned here are also applicable to other situations?for example, preparing a résumé and cover letter, conducting a successful job interview, negotiating to make a major purchase or sale, and navigating through legal situations that you might encounter.

    Terms of Use: Various, see course page

14. WA State Board for Community & Technical Colleges, **Research for the 21st Century**
    [http://cnx.org/content/m41515/latest/, http://www.oercommons.org/courses/research-for-the-21st-century-libr-180]
    Notes: Type: Course; Found Using: OERCommons.org

    Description: Upon completion of this course, students will be able to: develop and research a topic of global significance; recognize authors? arguments and the political, social and economic motivations behind their work; demonstrate the ability to locate, interpret and cite the relevant and appropriate information resources on a topic; and, demonstrate an understanding of the information research process.

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15. University of Malawi - Bunda College of Agriculture, **Communication Skills** [http://tinyurl.com/3udlt23]
    Notes: Type: Textbook; Found Using: OERCommons.org

    Description: This textbook has been designed to support students who are studying Communication during the first semester of the first year. This textbook has been created by lecturers from the University of Malawi - Bunda

semester of the first year. This textbook has been created by lecturers from the University of Malawi - Bunda College of Agriculture. The intention of the Communication Skills course and this textbook is to provide students new to tertiary education, with the prerequisite language skills required to excel in the higher education environment.

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16. Writing Commons, **Writing Commons** [http://writingcommons.org/open-text]
Notes: Type: Online; Textbook Found Using: OERCommons.org

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    Unported License**http://creativecommons.org/licenses/by-nc-nd/3.0/**

17. National Institutes of Health: National Cancer Institute, **Clear & Simple: Developing Effective Print Materials for Low-Literate Readers** [http://www.cancer.gov/cancertopics/cancerlibrary/clear-and-simple/allpages]
Notes: Type: Article; Found Using: http://www.collegeopentextbooks.org/

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18. Pavel Zemliansky, Ph.D, **Methods of Discovery: A Guide to Research Writing** [http://methodsofdiscovery.net/?q=node/4]
Notes: Type: Textbook; Found Using: http://www.collegeopentextbooks.org/

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19. Steven D. Krause, Eastern Michigan University, **The Process of Research Writing** [http://www.stevendkrause.com/tprw/]
Notes: Type: Textbook; Found Using: http://www.collegeopentextbooks.org/

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20. Joe Schall, Penn State, **Style for Students Online: Effective Technical Writing in the Information Age** [https://www.e-education.psu.edu/styleforstudents/]
Notes: Type: Textbook; Found Using: http://www.collegeopentextbooks.org/

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21. NASA, **Technical Report Writing** [http://grcpublishing.grc.nasa.gov/editing/vidcover.cfm]
Notes: Type: Online Textbook; Found Using: http://www.collegeopentextbooks.org/

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22. WA State Board for Community & Technical Colleges, **English Composition I** [http://www.oercommons.org/courses/english-composition-i-engl-101, http://cnx.org/content/m41476/latest/]
Notes: Type: Course; Found Using: OERCommons.org

    Description: English 101 focuses on the analysis of basic human issues as presented in literature with an emphasis on analytic reading, writing and discussion, and on development of argumentative essays based on textual analysis, with attention to style, audience and documentation. By writing several analytical, thesis-driven essays which show engagement with and understanding of a variety of texts, students will practice the critical thinking, reading and writing skills which comprise an important component of college and university studies as well as clear, audience-appropriate communications in other professional settings.This class is comprised of a series of three units, each of which is centered around an essay assignment. For each unit, in addition to the essay itself, you?ll be asked to respond to reading assignments and to complete exploratory writing assignments. You?ll do a lot of reading and writing, and your instructor will ask you to respond to ideas from our texts, from specific assignments, and from each other.

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23. WA State Board for Community & Technical Colleges, **English Composition II** [http://www.oercommons.org/courses/english-composition-ii-engl-102, http://cnx.org/content/m41506/latest/]
Notes: Type: Course; Found Using: OERCommons.org

    Description: This is an expository writing course requiring more advanced writing skills than Basic English Composition 101, yet reviewing and incorporating some of the same skills. This course teaches you research skills by emphasizing the development of advanced analytical/critical reading skills, proficiency in investigative research, and the writing of expository and persuasive prose including properly documented and researched argumentative essays. A major component of this course will be an emphasis on the research process or ?information literacy?: your ability to locate, evaluate and use information effectively. You also will recognize academic audiences, increase your clarity and objectivity, and adhere to standard formats.

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