

SYLLABUS COURSE DESCRIPTION

COURSE TITLE	Scientific Writing and Communication
COURSE CODE	76217
SCIENTIFIC SECTOR	M-FIL/02
DEGREE	Bachelor in Computer Science
SEMESTER	1st
YEAR	3rd
CREDITS	3
TOTAL LECTURING HOURS	40
TOTAL LAB HOURS	-
PREREQUISITES	-
COURSE PAGE	https://ole.unibz.it/
SPECIFIC EDUCATIONAL OBJECTIVES	<ul style="list-style-type: none"> • Type of course: affine integrative • Scientific area: formazione affine <p>For IT people, knowledge transfer is crucial, and communication (technical or scientific) is a fundamental skill for any worker today. Many different situations (thesis, job interview, fundraising, public presentation, scientific conference, technical pitch etc.) require the presenter to be able to convey effectively and efficiently the technical/scientific content, whatever the audience, the content and its complexity.</p> <p>The first part of the course is designed to familiarize students with all the different facets of doing academic research and writing academic texts. It explains the fundamental techniques of writing essays, abstracts, journal articles, and theses. The second part offers clear guidelines for structural and rhetorical layout of presentations, authentic communication and efficient preparation of speeches and meetings</p>
LECTURER	Andrea Molinari
SCIENTIFIC SECTOR OF THE LECTURER	
TEACHING LANGUAGE	Italian

OFFICE HOURS	Previous appointment, Andrea.molinari@unibz.it office POS 1.04, Faculty of Computer Science, Piazza Domenicani 3
TEACHING ASSISTANT	-
OFFICE HOURS	-
LIST OF TOPICS COVERED	<ul style="list-style-type: none"> • Presentation techniques: structure of presentations, interacting with PowerPoint, slide design, body language and positioning, presentation of participants, feedback • Communication techniques: structure of presentations, interacting with PowerPoint, slide design, body language and positioning, presentation of participants, feedback • Scientific writing: academic language, structure of scientific documents, scientific sources, thesis writing
TEACHING FORMAT	
LEARNING OUTCOMES	<p>Knowledge and understanding</p> <ul style="list-style-type: none"> • know the principles of presentation, communication, and scientific writing <p>Applying knowledge and understanding</p> <ul style="list-style-type: none"> • can present and communicate at a professional level in science <p>Making judgments</p> <ul style="list-style-type: none"> • can efficiently select and judge information for scientific purposes • can work autonomously according to the own level of knowledge <p>Communication skills</p> <ul style="list-style-type: none"> • can present and communicate at a professional level • can structure and write scientific texts <p>Learning skills</p> <ul style="list-style-type: none"> • have developed learning capabilities to pursue further studies with a high degree of autonomy • have acquired learning capabilities that enable to carry out presentations, communication, and writing in science
ASSESSMENT	<p>Written and oral:</p> <ul style="list-style-type: none"> • Written exam based on a scientific or technical article written by the student on a topic chosen from the field of computer science (60%).^[1]^[SEP] • Oral presentation of the scientific or technical article. The allocated time is from 15 to 30 minutes including feedback for the presenter.
ASSESSMENT LANGUAGE	Italian
EVALUATION CRITERIA AND CRITERIA FOR AWARDING MARKS	<p>An assessment score out of 100 points is given. The evaluation criteria is as follows:</p> <ul style="list-style-type: none"> • Written examination (a short paper): The evaluation is based on how much the scientific paper complies with the principles of good scientific and technical writing. The short paper will be sent in advance for adequate evaluation.^[1]^[SEP] Specifically the following elements will be assessed:

	<ul style="list-style-type: none"> ○ Quality and structure of the paper: 30 points ○ Language used in the paper: 10 points ○ Use of illustrations: 10 points ○ Correct formatting based on the constraints: 10 points ^[L]_[SEP] ● Oral presentation on the chosen topic in computer science (15 to 30 minutes presentation including feedback). The evaluation is based on <ul style="list-style-type: none"> ○ how well the presentation slides are designed (15 points) ○ whether the oral communication skills are gained by the student (25 points)
<p>REQUIRED READINGS</p>	<ul style="list-style-type: none"> ● M. Alley, The Craft of Scientific Writing, Third Edition, Springer-Verlag, 1996 (http://writing.eng.vt.edu) ● All other materials will be produced by the lecturer.
<p>SUPPLEMENTARY READINGS</p>	<ul style="list-style-type: none"> ● - Zobel, J., Writing for Computer Science: The Art of Effective Communication, 2000. ● Tufte E.R., The Visual Display of Quantitative Information. 2 nd ed., Graphics Press, Cheshire, 2001. ^[L]_[SEP] ● B. Greetham, How to write better essays, 2nd ed., Palgrave Macmillan, 2008 ^[L]_[SEP] ● S.E. Lucas, The Art of Public Speaking, 10 th . Ed., McGrawHill, 2009. ● S. William, E.B. White, The elements of style, 4th ed., 10th printing, Boston, Allyn and Bacon, 2004 ^[L]_[SEP]
<p>SOFTWARE USED</p>	<p>NONE</p>