Fakultät für Ingenieurwesen
Facoltà di Ingegneria
Faculty of Engineering

SYLLABUS
COURSE DESCRIPTION YEAR 2023/2024

COURSE TITLE	**Scientific Writing and Communication**
COURSE CODE	76246
SCIENTIFIC SECTOR	M-FIL/02
DEGREE	Bachelor in Computer Science
SEMESTER	1st
YEAR	3rd
CREDITS	3

TOTAL LECTURING HOURS	30
TOTAL LAB HOURS	-
ATTENDANCE	Attendance is not compulsory but strongly recommended. Non-attending students have to contact the lecturer at the start of the course to agree on the modalities of the independent study.
PREREQUISITES	-
COURSE PAGE	https://ole.unibz.it/

SPECIFIC EDUCATIONAL OBJECTIVES	- Type of course: affine integrative - Scientific area: formazione affine Computer scientists learn to master a unique language that allow them to program machines Effective communication is a core skill in any domain, but it assumes particular importance for computer scientists, who need to communicate complex problems and concepts. 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. The first part of the course is designed to familiarize students with academic research and writing academic texts. It explains the fundamental techniques of writing essays, posters, abstracts, journal articles, and theses. The second part offers guidelines for a large range of outreach communication from technical manual to social media.

LECTURER	De Angeli Antonella

SCIENTIFIC SECTOR OF THE LECTURER	INF/01
TEACHING LANGUAGE	**English**
OFFICE HOURS	Please arrange beforehand by email: antonella.deangeli@unibz.it. Office POS 1.08, Faculty of Computer Science, Piazza Domenicani 3
TEACHING ASSISTANT	-
OFFICE HOURS	-
LIST OF TOPICS COVERED	• Planning communication: audiences, media and presenters • In-reach communication: structure of thesis, journal paper, posters, presentation • Out-reach communication: technical manuals, writing for the web; press release; social media; public dissemination
TEACHING FORMAT	Lectures, exercises, workshops, and discussion.

LEARNING OUTCOMES	**Knowledge and understanding** • know the principles of presentation, communication, and scientific writing **Applying knowledge and understanding** • can present and communicate at a professional level in science **Making judgments** • can efficiently select and judge information for scientific purposes • can work autonomously according to the own level of knowledge **Communication skills** • can use appropriate technical and scientific terminology • can structure and write scientific texts **Learning skills** • 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	Mid-term assignment- week 6 [30%] + communication portfolio (40%) and oral examination (30%). The communication portfolio consist of: • A commented thesis index • A scientific *extended abstract*. • A scientific or technical *poster* and its two-minute-presentation. • 10 minutes presentation. • A technical manual on how to create games in H5P for school teachers • An engaging social media campaign to advertise a web-site Final oral exam consists of a 10 minutes presentation. Assignments and final exam are mandatory, and both must be positive to

	pass the exam. A positive mark for assignments counts for three consecutive exam sessions. In case of a negative evaluation of the assignments, a new set of assignments needs to be handed in for the next session. Non-attending students have to prepare their communication portfolio autonomously.
ASSESSMENT LANGUAGE	**English**

EVALUATION CRITERIA AND CRITERIA FOR AWARDING MARKS	Assignments
	
	Assignments are needed to assess the following learning outcomes: applying knowledge and understanding, making judgements, communication skills, and learning skills. For all in-reach and outreach artefacts the marking scheme is based on how much they comply with the principles of good scientific and technical writing in terms of (60 points represent a sufficient evaluation):
	   o Quality and structure (40 points)
	   o Language used (30 points)
	   o Correct formatting based on the constraints (30 points)
	
	Final oral exam will be marked based on content (50%) and communication ability (50%.)

REQUIRED READINGS	• Will be given by the lecturer
SUPPLEMENTARY READINGS	•
SOFTWARE USED	NONE