

## KURSBESCHREIBUNG / COURSE DESCRIPTION

<b>KURSTITEL</b> <i>Course title</i>	<b>Scientific Communication</b>
<b>KURS-ID</b> <i>Course number</i>	338
<b>Kursverantwortlicher</b> <i>Person in charge</i>	AWP- und Sprachenzentrum Language Centre
<b>Art der Lehrveranstaltung</b> <i>Type of course</i>	Allgemeinwissenschaftliches Wahlpflichtfach (AWP) Elective (AWP)
<b>Studiengang</b> <i>Course of studies</i>	All
<b>Niveau</b> <i>Course Level</i>	Basic Course
<b>Voraussetzungen</b> <i>Prerequisites</i>	None
<b>SWS</b> <i>Lessons per week</i>	2
<b>ECTS</b> <i>ECTS (Credits)</i>	2
<b>Art der Prüfung</b> <i>Course assessment</i>	Written assignment & presentation incl. Q+A Session
<b>Unterrichtssprache</b> <i>Course language</i>	English
<b>Dozent</b> <i>Lecturer</i>	Prof. Dr. Jeff Wilkesmann
<b>Kursziele</b> <i>Course objectives</i>	<p>Knowledge:</p> <ul style="list-style-type: none"> <li>• learn to manage a range of resources and skills for effective communication of complex scientific material</li> <li>• learn how to appropriately summarize, paraphrase and reference research content and avoid plagiarism</li> <li>• Scientific communication types and techniques</li> <li>• Presentation Techniques</li> </ul> <p>Skills:</p> <ul style="list-style-type: none"> <li>• learn to cultivate practical communication skills, with particular emphasis on effective writing</li> </ul> <p>Competencies:</p> <ul style="list-style-type: none"> <li>• undertake a substantial practical project in science writing</li> <li>• prepare a poster and perform a scientific pitch</li> </ul>
<b>Kursinhalte</b> <i>Course contents</i>	<ul style="list-style-type: none"> <li>• <u>Systematic literature review</u>: Definition of research question/eligibility criteria. Development of search strategy. Title/abstract/full text screening. Data extraction/quality assessment. Synthesis of results/meta-analysis</li> <li>• <u>Scientific Communication</u>: The Different Scientific Communication Ways. Scientific writing. Avoiding plagiarism, fabrication and falsification. The good style of writing. Paraphrasing, Summarizing, Referencing. Good and bad practice examples. Scientific Style Conventions.</li> </ul>

	<p>Graphics &amp; Multimedia. Tables. References. Editorial Style Conventions. Effective Writing &amp; Word Usage. Grammar, Punctuation, &amp; Spelling. General Style Conventions. Numbers, Mathematics, &amp; Units of Measure. Inclusivity Style. General Guidelines. Age. Disabilities, Disorders, &amp; Other Health Conditions. Gender &amp; Sexuality. Race, Ethnicity, &amp; Nationality.</p> <ul style="list-style-type: none"> <li>• <u>Ethics in Scientific Publication</u>. Communicating Safety Information. Intellectual Property: Copyright, Permissions. Scientific misconduct. Forms of scientific misconduct (fabrication, falsification, plagiarism, ...). Motivation to commit scientific misconduct. Responsibility (author, institutions, journals)</li> <li>• <u>Science and Engineering publishing</u>. Journal landscape and selection. Publication impact assessment (Impact factors, H-index). Authorship. Submission/review process. Writing about Your Research: Best Practices. Selecting a Scientific Journal. Organization of Your Research Article. Submission Procedures. Peer Review.</li> <li>• <u>Scientific communication pitching</u>. Preparation of an oral presentation and pitching session.</li> </ul>
<p><b>Lehrmethoden</b> <i>Teaching methods</i></p>	<p>Seminars constructed like workshops in combination with teamwork and team presentation.</p>
<p><b>Lehrbuch</b> <i>Textbook</i></p>	<ul style="list-style-type: none"> <li>• Introduction - The ACS Guide to Scholarly Communication (ACS Publications) <a href="https://pubs.acs.org/page/acsguide">https://pubs.acs.org/page/acsguide</a> eISBN: 978-0-8412-3583-0 DOI: 10.1021/acsguide</li> </ul>
<p><b>Empfohlene Literatur</b> <i>Recommended reading</i></p>	<ul style="list-style-type: none"> <li>• annex-9-inclusive-communication-guidelines-of-the-european-parliament.pdf (europa.eu)</li> <li>• Inclusive communication in the GSC - Publications Office of the EU (europa.eu)</li> <li>• Small Bus Econ (2016) 47:53–76 DOI 10.1007/s11187-016-9700-6</li> </ul>
<p><b>Besonderes</b> <i>Specifics</i></p>	
<p><b>Kurs gehört zum Zusatzzertifikat ...</b> <i>Course is part of the additional certificate</i></p>	