

Interdisciplinary competences	
Code	(not yet made available)
Credits (as per ECTS)	6
Attendance time	6 SWS
Course language	German (3 rd Semester), English (4 th Semester)
Duration	2 Semester
Rota	annually
Module coordinator	Prof. Dr. Grammel
Assistant professor(s)	Dr. Kipper-Albertini, Prof. Dr. Grammel; NN
Incorporation in the degree programs	Industrial Biotechnology BSc, mandatory module, 3 rd + 4 th Semester
Required knowledge	<ul style="list-style-type: none"> Content: Recommendation: Basic knowledge of MS (Office Word/PowerPoint) and internet searches, use of a PC and the internet; school-level English
Learning outcomes	<p>Students that have successfully completed this module,</p> <ul style="list-style-type: none"> have acquired competences required for highly qualified activities in various areas of a modern information technology society, have mastered the use of various information sources, mainly internet-based databases, can critically evaluate various information sources, understand presentation techniques and public relations work understand scientific work and presentation techniques, can apply presentation techniques in exercises and presentations know the relevant information sources in the domain of industrial biotechnology and are able to apply them, command sufficient language expertise in English to understand the said domains in English and be capable of correctly expressing themselves in professional English
Content	<p>The following technical contents are taught in this module:</p> <p>Lecture + Exercise "Technical English"</p> <ul style="list-style-type: none"> Authoring and understanding scientific texts and documents Representation of information (schematics, diagrams, etc.) General communication situations in everyday professional activity <p>Lecture + Exercise "Scientific presentation technique"</p> <ul style="list-style-type: none"> Methods of presentation: Planning, personal preparation, media selection and use, body language Presentation techniques: Presentation structure, visualisation of contents, argumentation techniques, handling of objections (repartee techniques), best practice examples Scientific work: Scientific quality criteria, source research, source evaluation and selection, citing sources, reading strategies

	<ul style="list-style-type: none"> • Scientific work: Types of scientific work, copyright and exploitation rights, formal structure • Short presentation: Round of introductions • Press release: Analysis of a press release and presentation of the results by students using a flip chart (group exercise) • Presentations by students: Creating own presentations (10 min) and the associated handouts <p>Lecture + Exercise "Information collection/management"</p> <ul style="list-style-type: none"> • Search engines, catalogues, databases in internet • Scientific original literature • Scientific publication practice • Patent search • Molecular biological databases and bioinformatics
Literature	<p>Lecture+ Exercise "Technical English"</p> <ul style="list-style-type: none"> • Bauer, Jürgen; English for Technical Purposes • further literature indications are provided by the assistant professor <p>Lecture + Exercise "Scientific presentation technique"</p> <ul style="list-style-type: none"> • Lecture notes • H. Balzert, M. Schröder, C. Schäfer: Wissenschaftliches Arbeiten: Ethik, Inhalt & Form wiss. Arbeiten, Handwerkszeug, Quellen, Projektmanagement, Präsentation, 2. Auflage, W3L-Verlag, Herdecke/Witten 2011 <p>Lecture +Exercise "Information collection/management"</p> <ul style="list-style-type: none"> • Topics are updated every semester. Literature details are provided by the assistant professor.
Forms of teaching and learning	<ul style="list-style-type: none"> • Technical English (lecture + exercise), 2 SWS, 2 LP, 3rd Semester • Scientific presentation technique (lecture + exercise), 2 SWS, 2 LP, 3rd Semester • Information collection/management (L+Ex), 2SWS, 2 LP, 4th Semester
Workload	<p>Lecture + Exercise "Technical English" Attendance time: 30 h Individual study: 30 h</p> <p>Lecture + Exercise "Scientific presentation technique" Attendance time: 30 h Individual study: 30 h</p> <p>Lecture + Exercise "Information collection/management" Attendance time: 30 h Individual study: 30 h</p>

	<p>Total Attendance time: 90 h Individual study: 90 h Total: 180 h</p>
Evaluation method	<p>The evaluation is a written exam (60 minutes) covering the entire module. Participation in this written examination requires students to have successfully completed the prerequisite of the course "Scientific presentation technique" and of the course "Information collection/management" (respectively one written composition).</p>
Grading	<p>The module grade corresponds to the result of the examination.</p>