Syllabus
LAN1604 Advanced English for Engineers
Prof. Dr. Katharina Kilian-Yasin, Rafael Correa
Winter Semester 2024/25

Level	Bachelor
Credits	2
Student Contact Hours	2
Workload	60 hours
Prerequisites	You should have a good command over the English language. You should have attended Advanced Business English.
Time	Wednesdays 03:30 – 05:00 pm (Group 1) and 05:15 – 06:45 pm (Group B). Times may vary (see schedule).
Room	T2.4.05
Start Date	<u>**Wednesday, 2nd October 2024, 03:30 - 05:00 pm – BOTH GROUPS TO-GETHER**</u>**. Make sure you attend this class, because important course information will be delivered (only) on this day!**

Lecturer(s)		
	Name	Prof. Dr. Katharina Kilian-Yasin, Rafael Correa
	Office	T1.5.25 (Prof. Kilian-Yasin), T2.2.13 (Mr. Correa)
	Virtual Office	Will be announced in class, if necessary.
	Office Hours	by appointment / s. Moodle course
	Phone	07231 28-6462 (Prof. Kilian-Yasin), 07231 28-6471 (Mr. Correa)
	Email	katharina.kilian-yasin@hs-pforzheim.de, rafael.correa@has-pforzheim.de (preferred mode of communication)

Summary

Students have the opportunity to consolidate the skills they learned in Advanced Business English as well as to extend their knowledge of topics relating to international business and engineering processes, and sustainability in international management and engineering. They acquire abilities to conduct research in the English language and to present their findings in English both orally and in writing. Thereby they practice preparing assignments according to academic standards.

Outline of the Course

- Technical writing and vocabulary;

- Technological innovation and sustainability;

- Mobility;

- Materials technology; waste mitigation, management and recycling;

- Design, production and manufacturing processes, comparing technical options and their financial and environmental advantages and disadvantages; and

- New technologies – reduction of greenhouse gasses emissions, renewable energy generation, energy storage and management solutions.

Course Intended Learning Outcomes and their Contribution to Program Intended Learning Outcomes / Program Goals

	Program Intended Learning Outcomes	Course Intended Learning Outcomes
	After completion of the program the students will be able…	After completion of the course the students will be able…
1	**Expert Knowledge**	
1.1	...to demonstrate their solid key knowledge in Technical Basics.	…to use an extended technical vocabulary and enhanced language skills to discuss technical topics in the English language.They know how to describe and explain technical basics in the English language.
1.3	…to demonstrate their distinguished and sound competencies in General Business Administration.	…to apply English language skills to discuss and compare cost advantages and disadvantages of technological solutions.
1.8	...to demonstrate profound expert knowledge in their field of specialization.	… to prepare and present results of groupwork as a team.
2	**Digital Skills**	
2.3	…to effectively use digital technologies to interact, to collaborate and to communicate.	…to use virtual communication applications such as Alfaview and are able to participate in discussions and perform presentations remotely.
3	**Critical Thinking and Analytical Competence**	
3.2	...to critically reflect and interpret findings and to develop comprehensive solutions for complex problems.	…to make a critical assessment of complex current and future technological issues, taking their technical, social and environmental challenges into consideration.
4	**Ethical Awareness**	
	...to develop sound strategies in the areas of ethics, sustainable development and social responsibility and are able to apply them to typical economic decision-making problems.	…to analyze and participate in discussions involving the challenges posed by current policies and social expectations regarding sustainable development, corporate social responsibility, and ethical supply-chains.
5	**Communication and Collaboration Skills**	
5.1	...to express complex issues effectively in writing.	…to present complex topics in current technology development in appropriate written form.

5.2	...to demonstrate their oral communication skills in presentations.	…to present topics related to current technological developments and their social, economic and environmental impacts, in appropriate oral form, in discussions and presentations.
5.3	...to work successfully in a team by performing practical tasks.	…to conduct extensive research on complex topics and correlate their findings before presenting their results of group work as a team.
6	**Internationalization**	
6.1	...to understand and explain business challenges in an international context.	…to examine the role of technology and policy, both nationally and internationally, and to present their findings in a professional manner.
6.2	...to articulate themselves in a professional manner in international business.	…to lead discussions and deliver presentations relating to the role of technologies, both nationally and internationally.

Teaching and Learning Approach

The course will be run as a seminar with an interactive approach. All students will be required to make an active contribution to group discussions, presentations and case studies.

In addition to active participation in class activities and discussions, course assessment will be based on group and individual presentations and written assignments. All classes will be held in English.

Literature and Course Materials

- Handouts / Audio material from *Cambridge English for Engineering* by Mark Ibbotson
- Handouts from technical journals and newspapers (New Scientist, New Statesman, Waste Today Magazine, etc.)
- Case studies and other information from the Internet (bmu.de, iaee.org, gssd.mit.edu, etc.)
- Handouts from *Technical English – Vocabulary and Grammar* by Nick Brieger and Alison Pohl

Assessment

This course has obligatory attendance.

The *requirement to pass this course* and *the basis of your course grade* include the following:

- **20% Active class participation**. Points will be awarded for continuous presence and active and valuable contributions to sessions and discussions and completion of written tasks.
- **30% Group presentation and handout.** Points will be awarded based on presentation content, design, language, and delivery and on completeness and language of handout.
- **50% Final written examination.**

Passing mark: 60%. Achievement below 60% of full points in any one of the four grade components (group presentation, active class participation, written assignments, and exam) means failing the course!

Schedule

See Moodle.

Academic Integrity and Student Responsibility

The main goal of the course is to improve your proficiency in the use of English pertaining to technical subjects and situations. In this regard, participants are expected to assess their own language level throughout the semester and to proactively make the necessary effort to improve as needed. Your lecturer will be regularly available to assist you on this by offering exercises and feedback.

In this sense, the use of online translators or AI-based text generation tools for course tasks is in direct conflict with the course goals and will be heavily penalized.

Please do not hesitate to contact the lecturers in case you have any questions regarding these conditions. You are also welcome to make suggestions on the course.

Code of Conduct for Students

Please do not hesitate to contact the lecturer in case you have any questions regarding the course.
Link to the Code of Conduct for online Teaching

Teaching Philosophy

Participants are expected to be proactive and take interest in their own development, for example by actively contributing to classroom discussions and other tasks. They should not wait for the lecturers to call on them to participate, but take initiative, making use of a safe and welcoming classroom environment. Language being a major component of this course, participants are encouraged to assess whether they feel like they need to improve on their English skills and to actively take the necessary measures in this regard (e.g. by asking for and submitting extra written tasks for correction). The lecturers are there to support and encourage them in this process.

Additional Information

Language:

English