

**Course:** Advanced English for Engineers (WI International), 2<sup>nd</sup> semester

**Course Code:** LAN1512

**Credits:** 3 ECTS, 2 SWS

**Language:** English, level: upper intermediate

**Date:** Group 1 (A-J) Wednesdays, 01:45 – 03:15 pm  
Group 2 (K-W) Wednesdays, 03:30 – 05:00 pm

⇒ **First session: Both groups together on Wednesday, 7<sup>th</sup> October 2020, 01:45–03:15 pm (Room to be decided) - Make sure you attend this class, because important course information will be delivered (only) on this day!**

Exceptions from the weekly sessions will be noted on a separate schedule handout which you receive in the first session, as well on the Moodle platform (PW will be announced in the first session) and in the LSF.

**Room:** T2.4.05 (except for the first and the last session before the exam). Changes may be necessary due to COVID-19-related restrictions and will be communicated on the course page on Moodle.

**Lecturers:** Rafael Correa

**Contact:** [rafael.correa@hs-pforzheim.de](mailto:rafael.correa@hs-pforzheim.de)

Please feel free to contact me if you have any questions or problems regarding the course.

#### **Overview:**

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.

#### **Prerequisites:**

You should have a good command over the English language. You should have attended Advanced Business English.

#### **Learning Objectives:**

By the end of the semester and after completing the course, the students:

- are able to describe the components and functions of technologies in written and oral English;
- are able to describe manufacturing and production processes in written and oral English;
- are able to present advantages and challenges of technologies and answer critical questions precisely;
- are able to write an assignment (= presentation handout) using appropriate language, style, register and academic referencing;
- will have been familiarized with the concept of sustainability and sustainable technologies.

#### **Course Topics:**

- Technological innovation and sustainability;
- Materials technology;
- Production and manufacturing processes, comparing technical options and their costs

- New technologies – reduction of greenhouse gasses, alternative energy generation, energy storage solutions.

### 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. If the course is held entirely or partly over Alfaview, this implies that students must have access to a stable internet connection as well as working web camera and microphone for all online sessions. Please contact me if you have any questions in this regard.

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.

### Contribution to Program Goals:

	Goals	Contribution	Assessment
1	Business and engineering knowledge	Reading a variety of texts from business and engineering to gain insight into diverse topics.	Class participation in discussions, presentations and written assignments
2	Use of information technology	Students will have to look up a variety of internet sources to research the various topics, and will have to hand in a presentation paper with appropriate layout	Class participation in discussions, presentations and written assignments
3	Critical thinking and analytical capabilities	Examination of case studies	Class participation in discussions, presentations and written assignments
4	Ethical thinking	Reflection of ethical dilemmas with regard to sustainable / alternative energies	Class participation in discussions, presentations and written assignments
5	Communication skills	Presentations and discussions of a wide variety of technical issues in the spoken and written English language	Class participation in discussions, and presentations
6	Ability to work in teams	Discussions in groups of 3-4 students, group presentations, written group assignments	Class participation in discussions, presentations, written assignments
7	International Management Competencies in Engineering	Consideration of pros and cons of technological innovation, implications for various international stakeholders. Discussing fluently and appropriately in diverse international contexts in the English language.	Class participation in discussions, presentations and written assignments

**Course Materials:**

- Handouts / Audio material from *Cambridge English for Engineering* by Mark Ibbotson
- Handouts from technical journals and newspapers (New Scientist, New Statesman etc.)
- Case studies and other information from the Internet (thetimes100, "HowStuffWorks" etc.)
- Handouts from *Technical English – Vocabulary and Grammar* by Nick Brieger and Alison Pohl

**Assessment:**

- 30% Group presentation (groups of three to four course students) and written group assignment (= presentation handout with bibliography);
- 20% Active participation in the lessons demonstrated by preparing weekly worksheets and taking part in classroom discussions (you can only be graded when you are present);
- 50% Written exam (60 minutes).

**Please note: Achievement below 60% of full points in any one of the three grade components (group presentation, active class participation and exam) means failing the course.**

**Obligatory attendance – missing classes more than 3 times means failing the course** (and missing classes up to 3 time means reducing one's grade, see "20% active participation". In case of illness, please show your sick note to the lecturer)

**Grading:**

Students will be graded on a scale of

1 = excellent, 2 = very good, 3 = satisfactory, 4 = pass and 5 = fail.

**Teaching Philosophy:**

My aim is to create a climate of learning where each student has a chance to give his or her best. Students may have different levels of English communication skills but everybody can make progress from where he or she stands. We will always try to support everybody according to his or her strengths and weaknesses if you are willing to give your best. We will encourage students to bring their diversity actively into the classroom and to learn from each other.

**Expectations:**

Come to the class regularly and punctually. Take an active part in the classroom tasks and discussions. You will learn most by practicing, and you can only get feedback if there is input from your side.

Dare to ask questions in class. Your fellow students will also benefit from the answers. If you wish your questions to be answered individually, please address me during my office hours or via email so that I can provide you with the support you need.