Syllabus
LAN 1502 WING
English for Engineers SS2020

Course
LAN 1502 – English for Engineers
2 hours per week, 3 credits, English, level: intermediate
WING 2nd semester: Wednesday, 13.45 – 15.15 (Loveday) OR Thursday, 8.00 – 9.30 (Correa) OR Thursday, 11.30 – 13.00 (Loveday or Correa)
Groups will be arranged in the first session. Attendance is compulsory: Thursday, 12th March at 11.30 in THD
Classroom: see LSF

Compulsory Attendance!

Instructors:
Gabriella Loveday
(for more details: https://catalog.hs-pforzheim.de/profil.jsp?gabriella.loveday)
Office: T2.2.13, office hours: Tuesday 13.45-15.15.
Email: gabriella.loveday@hs-pforzheim.de

Rafael Correa
Office: T1.5.29, office hours: Monday, 11.30 – 13.00.
Email: rafael.correa@hs-pforzheim.de

Please feel free to contact us at any time should you have any questions or problems regarding the course or the continual assessment criteria.

Overview
Students have the opportunity to consolidate the skills they learned in Business English 1 as well as to extend their knowledge of topics relating to engineering processes.

Prerequisites:
Students should have a good command of the English language. (Level B2 according to the CEFR for languages). They must have passed the Business English 1 examination from their 2nd semester.

Learning Objectives
By the end of the course students
- Will be able to write technical reports and lab reports
- Will have gained an insight into a range of technical processes
- Will have extended their range of vocabulary relating to engineering topics
- Will be able to express themselves in a technical discussion in an appropriate manner
- Will be able to write an assignment using appropriate language, register and referencing
- Will be able to hold a presentation relating to an engineering process and conduct a class discussion

Course Topics
Product development/innovation/engineering design
Materials technology
Production and manufacturing processes
Energy storage
Sustainable energies
Logistics
Diagrams
Industry 4.0
Lean production/management cases
Experiments
Engineering projects

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 and assignments. In addition, course assessment will be based on group presentations and written assignments. All classes will be held in English.

Contribution to program goals

<table>
<thead>
<tr>
<th>Goals</th>
<th>Contribution</th>
<th>Assessment</th>
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</thead>
<tbody>
<tr>
<td>Business Knowledge</td>
<td>Reading a wide variety of texts from business journals and newspapers to gain an insight into diverse topics</td>
<td>Class participation in discussions, presentations and written assignments</td>
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<tr>
<td>Use of information technology</td>
<td>Students will be encouraged to look up a variety of internet sources to research the various topics</td>
<td>Class participation in discussions, presentations and written assignments</td>
</tr>
<tr>
<td>Critical thinking and analytical capabilities</td>
<td>Examination of case studies dealing with strategic management, planning production processes, examining logistical processes, developing successful technical sales policies</td>
<td>Class participation in discussions, presentations and written assignments</td>
</tr>
<tr>
<td>Ethical thinking</td>
<td>Examination of ethical dilemmas for companies with regard to sustainable/alternative energies, environmental and social aspects</td>
<td>Class participation in discussions, presentations and written assignments</td>
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<tr>
<td>Communication skills</td>
<td>Role plays, simulations, presentations, discussions of a wide variety of technical issues in the English language</td>
<td>Class participation in discussions, role plays, simulations and presentations</td>
</tr>
<tr>
<td>Ability to work in teams</td>
<td>Role plays, discussions in groups of 3-4 students, group presentations, written group assignments</td>
<td>Class participation in discussions/role plays, presentations, written assignments</td>
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</tbody>
</table>
Intercultural competency | Examination of multi-national companies, global production and logistical processes | Class participation in discussions, presentations and written assignments
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Interdisciplinarity | Course enhances knowledge and techniques from mathematics, mechanics and physics. It also provides an introduction to technical processes and sustainable product development, production planning, logistics, finance and technical sales which the students will attend in their 3rd and 4th semesters. | Class participation in discussions, presentations and written assignments

**Course Material**
- Current internet articles relating to engineering
- Handouts from technical journals and newspapers (New Scientist, New Statesman, INCH etc)
- Case Studies from the Internet (thetimes100)
- Technical English – Vocabulary and Grammar by Nick Brieger and Alison Pohl

**Final Examination**
There will be continual assessment throughout the course. Therefore attendance is compulsory. Students will be given grades for their **group presentations and written assignments**. They will receive 25% of their **final grade** from their **class work** from each instructor (50% in total) and 25% of their final grade from the **examination** at the end of the semester (50% in total). Regular feedback and correction will be provided to encourage improvement in students’ written and oral communication skills in English.
**Students who fail to give a presentation/write an assignment and attend class WILL FAIL THE COURSE.**

**Grading**
Students will be graded on a scale of 1 = excellent, 2 = very good, 3 = satisfactory, 4 = pass and 5 = fail.

**Behavioural Rules**
Students are encouraged to seek assistance from their instructors for their group/individual assignments. Please note that the assignments must be original work based on research conducted. Plagiarism will be heavily penalized.
## Tentative Schedule for WING, 2nd semester (changes may be necessary)

<table>
<thead>
<tr>
<th>No</th>
<th>Date</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>19th March 2020 (11.30 in THD)</td>
<td>Introduction to course, distribution of presentation topics, academic writing, writing a summary, group formation</td>
</tr>
<tr>
<td></td>
<td>Correa/Loveday</td>
<td>ALL STUDENTS</td>
</tr>
<tr>
<td>2/3</td>
<td>Loveday</td>
<td>Presentation training, introduction to report writing</td>
</tr>
<tr>
<td>2/3</td>
<td>Correa</td>
<td>Technical processes</td>
</tr>
<tr>
<td>4/5</td>
<td>Loveday</td>
<td>Technical report writing</td>
</tr>
<tr>
<td>4/5</td>
<td>Correa</td>
<td>Graph descriptions</td>
</tr>
<tr>
<td>6/7</td>
<td>Loveday</td>
<td>Student presentations of technical products/renewable/non-renewable energies; RFID</td>
</tr>
<tr>
<td>6/7</td>
<td>Correa</td>
<td>Experiments and lab report writing</td>
</tr>
<tr>
<td>8/9</td>
<td>Loveday</td>
<td>Student presentations of technical products/renewable/non-renewable energies; materials technology</td>
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<tr>
<td>8/9</td>
<td>Correa</td>
<td>Experiments and lab report writing</td>
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<tr>
<td>10/11</td>
<td>Loveday</td>
<td>Student presentations of technical products/renewable/non-renewable energies; energy storage, smart grids &amp; DDCs</td>
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<tr>
<td>10/11</td>
<td>Correa</td>
<td>Industry 4.0</td>
</tr>
<tr>
<td>12</td>
<td>Loveday</td>
<td>Exam revision</td>
</tr>
<tr>
<td>13</td>
<td>Correa</td>
<td>Exam revision</td>
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The exam will be held on Monday, 29th June at 9.45 am (if examination office approves)

Groups and Dates for English for Engineers – SS2020

- **Group 1**
- **Group 2**
- **Group 3**

**Session 1:** Thursday, 19th March at 11.30 in THD – ALL STUDENTS

**Group 1 –** Wednesday at 13.45 in T2.2.05 (Loveday) OR Thursday at 8.00 in T1.3.03 (Correa)

**Session 2:** Wednesday, 25th March (Loveday)
Session 3: Thursday, 2\textsuperscript{nd} April (Correa)
Session 4: Wednesday, 8\textsuperscript{th} April (Loveday)
Session 5: Thursday, 16\textsuperscript{th} April (Correa)
Session 6: Wednesday, 22\textsuperscript{nd} April (Loveday)
Session 7: Thursday, 30\textsuperscript{th} April (Correa)
Session 8: Wednesday, 6\textsuperscript{th} May (Loveday)
Session 9: Thursday, 14\textsuperscript{th} May (Correa)
Session 10: Wednesday, 20\textsuperscript{th} May (Loveday)
Session 11: Thursday, 28\textsuperscript{th} May (Correa)
Session 12: Thursday, 18\textsuperscript{th} June at 11.30 (Correa – revision – room to be arranged)
Session 13: Wednesday, 24\textsuperscript{th} June (Loveday - revision)

Group 2 – Wednesday at 13.45 in T2.2.05 (Loveday) OR Thursday at 8.00 in T1.3.03 (Correa)
Session 2: Thursday, 26\textsuperscript{th} March (Correa)
Session 3: Wednesday, 1\textsuperscript{st} April (Loveday)
Session 4: Wednesday, 15\textsuperscript{th} April (Loveday)
Session 5: Thursday, 23\textsuperscript{rd} April (Correa)
Session 6: Wednesday, 29\textsuperscript{th} April (Loveday)
Session 7: Thursday, 7\textsuperscript{th} May (Correa)
Session 8: Wednesday, 13\textsuperscript{th} May (Loveday)
Session 9: Wednesday, 27\textsuperscript{th} May (Loveday)
Session 10: Thursday, 26\textsuperscript{th} May (Correa – 9.45 in T1.3.03)
Session 11: Wednesday, 10\textsuperscript{th} June (Loveday - revision)
Session 12: Thursday, 18\textsuperscript{th} June (Correa)
Session 13: Thursday, 25\textsuperscript{th} June (Correa – revision)

Group 3 – Thursday at 11.30 in THD
Session 2: 26\textsuperscript{th} March (Loveday)
Session 3: 2\textsuperscript{nd} April (Correa)
Session 4: 16\textsuperscript{th} April (Loveday)
Session 5: 23\textsuperscript{rd} April (Correa)
Session 6: 30\textsuperscript{th} April (Loveday)
Session 7: 7\textsuperscript{th} May (Correa)
Session 8: 14\textsuperscript{th} May (Loveday)
Session 9: 28\textsuperscript{th} May (Correa)
Session 10 & 11: 18\textsuperscript{th} June (Loveday – 8.00 – room to be arranged and 11.30 in THD)
Session 12 & 13: 25\textsuperscript{th} June (Correa – 9.45 in T1.3.03 and 11.30 in THD - revision)

My Teaching Philosophy: Gabriella Loveday
I am committed to providing the students with the best possible learning opportunities so that they improve their English communication skills. I am a firm believer in the maxim ‘practice makes perfect’. Therefore, I encourage students to send me written assignments throughout the course and contact me after class during my visiting hours or via email so that I can provide them with individual support should they be having any problems with the course material and/or their English.

My Teaching Philosophy: Rafael Correa
My main goal during this course is to help prepare the students to perform in English, as well as they can, in professional and academic situations. With this in mind, I encourage the students to see the classroom as a safe and informal environment where they can
experiment with the language and clarify all their doubts. Ideally, each student will end this
course more confident, more critical and at the same time more self-aware regarding his/her
own communication skills and stance while making presentations or taking part in
discussions held in English.