

Title:	Technical English																						
Scientific Area:	Humanities																						
Course:	Mechanical Engineering																						
Codigo:	912312																						
Year /Semester:	1st / 2nd																						
ECTS:	3																						
Department:	Department of Mechanical Engineering																						
Study plan:	<p>Language: Grammar revisions such as the tense system, spelling rules, question form, among other language features according to students' needs and difficulties.</p> <p>Technical Language: Sub-technical terms and common non-technical lexis, syntax, linking expressions and words, word formation (suffixes and prefixes), grammar links, phrasal verbs, expressions to describe reason and contrast and verb-noun-adjective changes.</p> <p>Technical Vocabulary: Specific technical lexis related to mechanical engineering including materials engineering, mechanisms, gears, air-conditioning and refrigeration, forces in engineering, internal combustion engine, corrosion and computer science.</p>																						
	Reading Comprehension: Scientific literature, graphs and tables and understanding unknown vocabulary.																						
	Listening Comprehension: Lectures and Interviews																						
	Writing Skill: Genres including description and explanation of cycles and processes, letter of presentation and translation Portuguese to English (simple sentence).																						
	Oral Skill: Pronunciation practice through oral drills, introducing and presenting oneself, an oral presentation about a technical topic and general class discussions.																						
Language:	English																						
Type of instruction:	<table border="1"> <thead> <tr> <th>Activities</th> <th>Total Hours</th> <th>Hours/week</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td><b>Theoretical</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Theoretical-Practical</b></td> <td></td> <td>2 hrs / week</td> <td>Lectures, Problem solving and intense pronunciation practice through oral drills</td> </tr> <tr> <td><b>Practical</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Tutorial guidance</b></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Activities	Total Hours	Hours/week	Comments	<b>Theoretical</b>				<b>Theoretical-Practical</b>		2 hrs / week	Lectures, Problem solving and intense pronunciation practice through oral drills	<b>Practical</b>				<b>Tutorial guidance</b>			
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Learning objectives:	<p>The main aims of this course unit are:</p> <p>To focus on the technical language concerned with the mechanical engineering scientific area;</p> <p>To consolidate already learnt English knowledge so as to further strengthen students' language basic structure;</p> <p>To improve the four language skills at both general and technical levels.</p>																						
Generic	At the end of this course unit the learner is expected to be able:																						

learning outcomes and competences:	<p>To feel more confident and at ease with the language, namely at the technical level;</p> <p>To present orally a topic related to the student's area of specialization.</p> <p>To be autonomous in the receptive skills regarding technical literature students will come across in their future careers.</p>
Bibliography:	<p>Since some details of lesson materials are adjusted according to students' specific needs and difficulties, most handouts are provided on a lesson-to-lesson basis.</p> <p>Also, there is a set of lecture notes at the school photocopy centre with technical readings from prior exams which are used for practical exercises during lessons.</p>
Progress assessment:	<p>Final written exam (80%); Oral presentation (20%). Each assessment component described is mandatory for full completion of subject.</p> <p>or</p> <p>Continuous evaluation: 3 written tests with a required minimum of 7 points on a scale of 20 (70%); oral presentation of a technical topic (15%); class participation (15%). Those who opt for this means of evaluation must attend at least 75% of all lessons. Each assessment component described is mandatory for full completion of subject.</p>