

<b>Module name: English Communication Skills for STEM.</b>	
<b>Module teacher (e-mail)</b>	
Alexander Lowe, PhD ( <a href="mailto:alexander.lowe@us.edu.pl">alexander.lowe@us.edu.pl</a> )	
<b>Number of the ECTS credits</b>	
3 ECTS	
<b>Learning outcomes of the module</b>	
<ol style="list-style-type: none"> <li>1. The student will be able to write technical language clearly.</li> <li>2. The student will be able to identify and correct deficits in written English.</li> <li>3. The student will be able to communicate at an improved language in English.</li> <li>4. The student will be able to identify the difference in communication styles for the technical science.</li> </ol>	
<b>Maximum number of student who can take part in the module:</b>	<b>30</b>
<b>Content of the module by chapter</b>	<ol style="list-style-type: none"> <li>1. What is Technical Communication.</li> <li>2. Professional Style.</li> <li>3. Oral and Visual Presentation.</li> <li>4. Emphasis and Application.</li> </ol>
<b>Module description</b>	<b>The main aim of the module:</b>
	The aim of the module is for students learn how to keep communication in English simple and easy for interdisciplinary science technology, engineering and math. These lessons can be extend to other fields of science and humanities but this lesson is focused on the general difficulties scientist have in communicating with each other.
	<b>Subject area:</b>
	Science and Technology Communication

<b>Module description</b>	<b>Target group:</b>		
	any interested students		
	other:		
	<b>Field of study:</b>		
	especially for science students		
	other:		
<b>Assessment of the learning outcomes of the module</b>	<b>Type</b>		
	Criteria work assessment (select from the list):		
	<input type="checkbox"/> project <input type="checkbox"/> test <input checked="" type="checkbox"/> presentation <input type="checkbox"/> poster presentation <input type="checkbox"/> study results <input type="checkbox"/> written assignment <input type="checkbox"/> oral assignment <input type="checkbox"/> other		
	<b>Description:</b>		
<b>Forms of teaching</b>	<b>Type (select from the list):</b>	<b>Description (including teaching methods)</b>	<b>Number of hours</b>
			<b>In total = 24 hours</b>
	<input checked="" type="checkbox"/> lectures	Power point will be used to present concepts in communication with a special focus within science.	10

<b>Forms of teaching</b>	<input checked="" type="checkbox"/> seminars	<p>Use in class activities with the goal of building skills in identifying issues with modern communication.</p> <p>The student will practice communication methods in groups with activities</p> <p>The students will be given text to show the breadth of the English language.</p>	10
	<input type="checkbox"/> laboratory classes		
	<input type="checkbox"/> practical classes		
	<input checked="" type="checkbox"/> online meeting	Preliminary introduction and reading and review	4h
	<input type="checkbox"/> other:.....		
<b>Student's own work</b>	Description:		Number of hours  <b>In total = minimum 51 hours</b>
	<u>Before the classes in Katowice:</u>  The students will have assigned readings before each class. The reading are there to encourage the student to see the variability in the English language within science and technology.		7

<b>Student's own work</b>	<u>During the classes in Katowice:</u> Actively participate in class lectures by answering questions. Work in groups to answer skill testing problem involved with technical communication and science.	24
	<u>After the classes in Katowice:</u> The students will have use the concepts to use the concepts. Take sophisticated topic and problem and prepare a group presentation.	20
<b>Module literature, obligatory reading</b>	<b>Description:</b>	
	<b>Literature sources:</b> Technical Writing Essentials by Suzan Last The Craft of Scientific Communication by J.E. Harmon and A. A. Gross The Craft of Scientific Writing by Michael Alley	
<b>Technical requirements and teaching aids necessary for conducting classes at University of Silesia</b>		
Power Point Presentation, computer and projector, Digital question and Answer Software, Wi-Fi, pencil and paper.		
<b>Minimum attendance requirement</b>		
75%		