



Course Information					
Code:	ENC41003	Course:	WRITING FOR ENGINEERING		
Coordination Area / Program:	DIRECCION DE BILINGUAL PROGRAM			Mode: Presencial	
Credits: 04	Tipo de hora	Presencial	Virtual	H. Totales	Autonomous Learning Hours: 128
	H.Teoria	64	0	64	
	H.Práctica	0	0	0	
	H.Laboratorio	0	0	0	
Period: 2024-02	Start date and end of period: del 19/08/2024 al 08/12/2024				
Career: ARQUITECTURA, URBANISMO Y TERRITORIO - INGENIERÍA AGROINDUSTRIAL - INGENIERÍA AGROINDUSTRIAL Y AGRONEGOCIOS - INGENIERÍA AMBIENTAL - INGENIERÍA CIVIL - INGENIERÍA DE SISTEMAS DE INFORMACIÓN - INGENIERÍA EMPRESARIAL - INGENIERÍA EN INDUSTRIAS ALIMENTARIAS - INGENIERÍA INDUSTRIAL Y COMERCIAL - INGENIERÍA INFORMÁTICA Y DE SISTEMAS - INGENIERÍA LOGÍSTICA Y DE TRANSPORTE					

Course Pre-requisites		
Code	Course - Credits	Career
FC-IDI ENG06RRE	ENGLISH VI: RREL	ING. AGROIND - ING. SIST. INFORM. - ING. INDUSTRIAS ALIM. - ING. INDUSTRIAL Y C. - ING. LOG & TRANSPORTE - ING. INFORMÁTICA - ING. AGROINDUSTRIAL - ING. CIVIL - ING. EMPRESARIAL - ING. AMBIENTAL
FC-IDI ENG06	ENGLISH VI	ING. INDUSTRIAS ALIM. - ING. INDUSTRIAL Y C. - ARQUITECTURA - ING. LOG & TRANSPORTE - ING. INFORMÁTICA - ING. AGROINDUSTRIAL - ING. CIVIL - ING. EMPRESARIAL - ING. AMBIENTAL

Course Coordinators			
Surname and First Name	Email	Contact Hour	Contact Site
LAVALLE TERRY, ALABEL	ALAVALLE@USIL.EDU.PE		

Instructors
You can check the timetables for each teacher in their INFOSIL in the Classes Development Teachers option Teachers .

Course Overview
The aim of this course is to develop the scientific and technical reading and writing skills which students will need to understand and write research articles. First, they will learn the principles of writing research papers in science and engineering. Then, they will write a full research paper in their field of specialization as they apply what they have learned in the course.

Competencias Profesionales y/o Generales			
Carrera/Programa	Sigla/ Denominación de la competencia	Nivel de la competencia	Aprendizajes esperados
ARQUITECTURA, URBANISMO Y TERRITORIO - INGENIERÍA AGROINDUSTRIAL - INGENIERÍA AGROINDUSTRIAL Y AGRONEGOCIOS -	CG2: Comunicación bilingüe	The students is able to use the four language skills in English - speaking, listening, reading and writing- fluently and effectively, for personal, academic	Develop the four language skills appropriate to an intermediate speaker of English who needs to cope with input texts of an academic and technical nature.

INGENIERÍA AMBIENTAL - INGENIERÍA CIVIL - INGENIERÍA DE SISTEMAS DE INFORMACIÓN - INGENIERÍA EMPRESARIAL - INGENIERÍA EN INDUSTRIAS ALIMENTARIAS - INGENIERÍA INDUSTRIAL Y COMERCIAL - INGENIERÍA INFORMÁTICA Y DE SISTEMAS - INGENIERÍA LOGÍSTICA Y DE TRANSPORTE		and professional purposes.	Can understand the main idea of complex texts on both concrete and abstract topics of a technical nature. Can write clear, detailed documents of a technical nature. Can interact with a degree of fluency and spontaneity in academic and technical situations. Can identify and understand main and secondary ideas from oral texts of a technical nature
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General Course Result	Unit Result
At the end of the course, the students develop the four language skills appropriate to an intermediate speaker of English who needs to cope with input texts of an academic and technical nature, with an emphasis on reading and writing skills with accuracy and correction.	1. At the end of the unit, the students understand the main ideas of complex texts on both concrete and abstract topics of a technical nature with accuracy and correction 2. At the end of the unit, the students write clear, detailed documents of a technical nature with accuracy and correction 3. At the end of the unit, the students interact with a degree of fluency and spontaneity in academic and technical situations with accuracy and correction

Development of activities		
Unit Result 1: <i>At the end of the unit, the students understand the main ideas of complex texts on both concrete and abstract topics of a technical nature with accuracy and correction</i>		
Session 1: <i>At the end of the session, the students apply what they learnt about principles of scientific/academic writing, grammar and writing skills, the introduction of the report, the English language in scientific research papers, academic phrases for the introduction and writing the draft of the introduction in individual graded activities with accuracy and correction</i>		Semana 1 a 4
Learning Activities	Contents	Evidence
Identify the four types of sentences: simple, compound, complex and compound-complex; and use them appropriately to write statements related to their field of study. Also, differentiate and use countable and uncountable nouns. Apply appropriate language to compare items as well as write coherent sentences showing correct parallelism and outline collaboratively a given paragraph. Identify and use adjectives, and adverbs appropriately in a technical context. Also, review common mistakes in writing and will apply three paraphrasing	Principles of Scientific/Academic Writing Grammar and Writing skills. Review of tenses Present Tenses Passive forms Past Tenses Connector use Signaling Language The introduction of the report The English Language in Scientific Research Papers Academic phrases for the Introduction Writing the draft of the Introduction	Evidencia sumativa: Evaluación 1: Reading (Semana 4)

<p>techniques that can help them collect data for their research project. Review some present tenses in context, summarize a text applying paraphrasing and summarizing techniques as well as correct grammar. Review past forms and write coherent sentences using appropriate conjunctions and connectors. Identify why reports are written. Define the role of the introduction in a report. Revise a sample of the introduction of a report and identify its main components. Prewrite ideas (brainstorming) for the Introduction of research work. Fill in the OUTLINE of the introduction of their research work. Practice the language to be used in the INTRODUCTION of a Project report. Also, review academic phrases commonly used in this section. Review future forms that could be used to describe the hypotheses of the report. Also, write the draft of the INTRODUCTION using the filled in outline. Identify what antecedents are and use them in an in-text citation where necessary in their report.</p>		
<p>Session 2: <i>At the end of the session, the students apply what they learnt about grammar and writing skills, method & purpose, correcting and improving a draft and writing the methodology in individual graded activities with accuracy and correction.</i></p>		<p>Semana 5 a 7</p>
<p>Learning Activities</p>	<p>Contents</p>	<p>Evidence</p>
<p>Identify and use active and passive in sentences in order to describe a process. Identify and use phrases to describe method and purpose at sentence level as they describe steps in a process. Proofread and edit the first draft of the Introduction using the feedback provided. Describe the process of making a road using passive & active voice, articles, adverbs, and appropriate language for describing method & purpose. This language will be applied in the METHODOLOGY of their report later in the course. Identify the key sections in the methodology. Analyze a sample of an outline and its corresponding draft. Analyze how key ideas in the outline develop into full sentences using appropriate language and connectors. Review some key language forms which are useful to write the methodology of a report. Use defining and non-defining relative clauses to describe processes. Identify key language to describe materials, objects</p>	<p>Grammar and Writing skills Method & Purpose Correcting and improving a draft Writing the methodology Section of the Methodology Grammar and vocabulary in the Methodology Words in the Methodology</p>	<p>Evidencia sumativa: Evaluación 2: Reading (Semana 7)</p>

using appropriate language. Identify and use appropriate language to describe figures, measurements, distances which can be useful to describe processes properly.		
Unit Result 2: <i>At the end of the unit, the students write clear, detailed documents of a technical nature with accuracy and correction</i>		
Session 3: <i>At the end of the session, the students apply what they learnt about the results of a research report, the language of results in a report, writing the results using academic phrases, the conclusion of a research report, writing the conclusion and further practice on conclusion language based on a diagram in individual graded activities with accuracy and correction</i>		Semana 8 a 11
Learning Activities	Contents	Evidence
Identify key sections in the Results section. Understand the form and nature of the RESULTS section in a report. Identify and use the language of likelihood or probability of something using key language forms and vocabulary. Write the results section of a report using a bar chart as input. Write sentences to be considered in the RESULTS SECTION using appropriate language. Draft the results section using the corrected outline. Review key sections of the conclusion section of a report. Identify and use the appropriate language to describe cause and effect using a diagram. Write sentences using connectors based on a given situation. Write the conclusion section of the paper (draft) revise and use modals, orally and in written form, to establish reasons, interpretations, and implications that can be used in the results section. Identify the elements of the CONCLUSION section in an engineering report so as to produce one for their own. Apply conditionals and cause and effect connectors to describe information based on an Ishikawa diagram. Identify the elements of the conclusion section as well as the academic phrases used to develop this part of the report. Examine a sample of an outline and draft. Identify connectors to links ideas in a conclusion.	The RESULTS of a Research Report The Language of Results in a report Writing the Results using academic phrases The CONCLUSION of a Research Report Writing the Conclusion Further practice on Conclusion language based on a diagram.	Evidencia sumativa: Evaluación 3: Writing (Semana 11)
Session 4: <i>At the end of the session, the students apply what they learnt about the academic language of the conclusion section of a report, review of key aspects of conclusions, the abstract, the language of the abstract, drafting the abstract, using visual aids, presentation techniques and class practice for oral presentations in individual graded activities with accuracy and correction</i>		Semana 12 a 14
Learning Activities	Contents	Evidence
Review the elements of the conclusion. Become familiar, identify and use key academic phrases common in conclusions.	The Academic language of the Conclusion Section of a report Review of key aspects of Conclusions The ABSTRACT The	Evidencia sumativa: Evaluación 4: Writing (Semana 14)

Write sentences using the language for conclusions. Fill in the outline for the conclusion section using key ideas and draft this section of your report using the academic phrases and language learned in the past weeks. Identify the elements of the abstract section. Identify and then practice the language of abstracts using some key expressions. Draft the abstract section of your report considering its elements and academic phrases. Identify and apply key considerations when producing visual material for own oral presentations. Identify and practice techniques for successful oral presentations. Students will give an oral presentation using the presentation phrases and delivery techniques.	Language of the Abstract Drafting the Abstract Using visual aids and presentation techniques for an Oral presentation Class Practice for Oral Presentations	
Unit Result 3: <i>At the end of the unit, the students interact with a degree of fluency and spontaneity in academic and technical situations with accuracy and correction</i>		
Session 5: <i>At the end of the session, the students present their research paper findings individually in a written and oral way with accuracy and fluency.</i>		Semana 15 a 16
Learning Activities	Contents	Evidence
-Students hand in portfolio of Research Paper. -Students present their Research Paper findings. -Final Project. -Practice language and vocabulary terms through a set of activities.	PRODUCTO ACREDITABLE (EXAMEN FINAL- PROYECTO FINAL) Class Practice for Oral Presentations Oral Presentations	PRODUCTO ACREDITABLE (examen final) Speaking: 70% Writing: 30%

Methodology
The course will be developed based on the following methodologies: Aprendizaje basado en problemas , Aprendizaje basado en proyectos , Aprendizaje colaborativo , Aprendizaje participativo , Método activo , Proyectos formativos ,

Assessment System				
Each of the items of the evaluation scheme and the final grade of the course are rounded to whole numbers. The final grade of the course is the weighted average of the corresponding items: permanent evaluation, partial exam and final exam.				
The averages calculated components of the item 'Permanent Evaluation' will keep your calculation with 2 decimals.				
Type Evaluation	%Weighing	Observation	Week Assessment	Rezag.
Evaluación Permanente	70%			
Promedio de Evaluaciones	100%			
Evaluación 1	25%	Reading	Semana 4	No
Evaluación 2	25%	Reading	Semana 7	No
Evaluación 3	25%	Writing	Semana 11	No
Evaluación 4	25%	Writing	Semana 14	No
Evaluación Final	30%		Semana 16	No

Attendance Policy

Total Percentage Absences Permitted	30%
<p>Class attendance is mandatory. The student who reaches or exceeds the limit of thirty percent (30%) of absences in the course, defined by the total of effective hours, will be disqualified from taking the final evaluation, corresponding to said evaluation with a grade of zero (0).</p> <p>In hybrid classrooms, only synchronous virtual participation (via zoom) is allowed, up to a maximum of 50% of the total course.</p>	

Basic Required Reading
<p>[1] Hedge, Tricia (2005). <i>Writing / Tricia Hedge</i>. (2da). Oxford ; New York : Oxford University Press, .</p>

References Supplementary

Prepared by:	Approved by:	Validated by:
LAVALLE TERRY, ALABEL /	BERNAL SANTOS, ROSARIO JAZMIN	Office of Curriculum Development
Date: 21/06/2024	Date: 30/06/2024	Date: 16/07/2024