

### PROGRAMA DE CURSO

Código	Nombre			
EL7050	Writing for Engineers			
Nombre en Inglés				
SCT	Unidades Docentes	Horas de Cátedra	Horas Docencia Auxiliar	Horas de Trabajo Personal
6	10	3	1,5	5,5
Requisitos			Carácter del Curso	
<p>This course is aimed at students who are already working on their MSc theses, PhD theses or Qualifying Exams.</p> <p><b>Minimum level of English Required for the course:</b> <b>Intermediate</b></p>			<p>General course for the Postgraduate program</p>	
Competencias a las que tributa el curso				
<p>It contributes to professional oral and written communication in English.</p>				
Propósito del curso				
<p>*To improve the clarity and coherence of Engineering Reports and Papers through a comprehensive study of form, style, and grammar.</p> <p>*To analyze the different types of papers that these students will be required to master: Abstracts and Journal Papers.</p> <p>*To write with a purpose, for a specific audience, using formal discourse and persuasive language.</p> <p>*To learn how to revise, edit, and proofread to improve writing skills and to correct serious mistakes.</p> <p>*To identify and construct the major sections of a Journal article: Abstract, Introduction, Literature Review, Methodology, Results, and Conclusion</p> <p>*If there is time at the end of the course: To learn the basics of CV writing in English</p>				
Resultados de Aprendizaje				

By the end of this course, students will have written, edited and corrected at least one abstract and one scholarly paper. Through this experience, students will be able to :

1. Recognize and correct their most common writing errors in English
2. Organize, write and edit an abstract and a paper.
3. Peer review abstracts and scholarly papers for organization, grammatical error correction, and coherence of ideas.

Metodología Docente	Evaluación General
<p>Students should be active and participative in the learning process. To improve writing skills it is necessary to write regularly. Students will be required to write and correct texts weekly and to edit the writing of their peers. Classes will focus on:</p> <ul style="list-style-type: none"> <li>• analyzing grammatical form, style, and organization in journal articles</li> <li>• identifying and correcting common grammatical errors in their own and in peer writing</li> <li>• increasing awareness of common writing problems (i.e. issues with linking and transitioning, use of run-on sentences) and how to solve them.</li> <li>• Analyzing the coherence of written ideas and how they are supported.</li> </ul>	<p>Evaluation will help students to see how their own writing is improving. Students will be evaluated against themselves and not against each other.</p> <ul style="list-style-type: none"> <li>• Quizzes (edition and correction of texts)</li> <li>• Weekly writing assignments towards the final assignment</li> <li>• Peer review and correction of texts</li> <li>• Submission of article in final form with all corrections made</li> </ul>

## Unidades Temáticas

Número	Nombre de la Unidad	Duración en Semanas
1	Introduction to Academic Writing.	1
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>Identify the elements of a well-written paper</p> <p>Grammar: Tense Review and tense usage in scientific/ engineering papers</p> <p>Homework: Write and rewrite an overview of your topic for this course.</p>	<p>At the end of this week, students will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand 7 simple ideas about writing a research paper</li> <li>2. Analyze a paper for organization, clarity of ideas, and level of interest</li> <li>3. Identify tense usage in articles of interest in his/her field</li> </ol>	<p>[1]</p> <p>[2]</p>

Número	Nombre de la Unidad	Duración en Semanas
2	Abstracts	2
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>Paragraphs and Topic Sentences</p> <p>The use of modals to soften assertions</p> <p>The passive voice vs. active voice in technical writing.</p> <p>Homework: Write and correct your abstract, peer edit an abstract</p>	<p>At the end of this unit, students will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify where paragraph breaks should be</li> <li>2. Recognize the different meanings (level of certainty) conveyed by modals</li> <li>3. Be able to rewrite paragraphs with modal changes to change level of assertion</li> <li>4. Recognize passive vs. active voice and be able to rewrite sentences making changes from passive to active and active to passive.</li> <li>5. Create comments that provide constructive criticism for peer editing.</li> </ol>	<p>[1]</p> <p>[2]</p>

Número	Nombre de la Unidad	Duración en Semanas
3	Introductions	2
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>The funnel form for Introductions</p> <p>subject/verb agreement</p> <p>Linking and connecting ideas</p> <p>Making transitions between sections</p> <p>Homework: Write, correct and peer edit an Introduction</p>	<p>At the end of this unit, students will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify the elements of an introduction</li> <li>2. Self-Correct and peer- correct for subject/verb agreement.</li> <li>3. Use a variety of linking and transition words to guide the reader through your text.</li> </ol>	[1]

Número	Nombre de la Unidad	Duración en Semanas
4	Literature Review/Background	1
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>Simplify your sentences</p> <p>Identify and correct run-on sentences</p> <p>Eliminate excess words</p> <p>Rules for punctuating and incorporating notes, bibliographies and references</p>	<p>At the end of this unit, students will be able to:</p> <ol style="list-style-type: none"> <li>1. Eliminate excess words in texts.</li> <li>2. Identify and correct run-on sentences.</li> <li>3. Correct notes and bibliography and be aware of the pitfalls of incorporating references into the text.</li> </ol>	[1]

Número	Nombre de la Unidad	Duración en Semanas
5	Methodology/ Experimental Design	2
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>Elements that may be included in a Methodology or Experimental Design section</p>	<p>At the end of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>• Identify what information belongs in a Methods section.</li> <li>• Accurately use numbers in</li> </ul>	[1] [5]

Language of numbers	sentences, units with numbers and equations in text.	
---------------------	--	--

Número	Nombre de la Unidad	Duración en Semanas
6	Graphs and Visualization of Information	1
Contenidos	Indicador de logro	Referencias a la Bibliografía
Different types of visual representations  Problems and Solutions relating to visual representation of information  Language of Comparison	At the end of this unit, students will be able to: <ul style="list-style-type: none"> <li>Identify the best ways to represent data</li> <li>Recognize and correct problems with graphs and tables</li> <li>Use the language of comparisons to describe visual representations</li> </ul>	[1] [4]

Número	Nombre de la Unidad	Duración en Semanas
7	Results and Conclusions.	2
Contenidos	Indicador de logro	Referencias a la Bibliografía
What information should be included in the Results and Conclusion section  How should the text connect with the Tables and Graphs  Parallel structure  More on linking and connectors	At the end of this unit, students will be able to: <ul style="list-style-type: none"> <li>Identify the strengths and weaknesses in their Results and be able to describe and address both clearly</li> <li>Identify and correct issues with parallel structure</li> </ul>	[1]

Número	Nombre de la Unidad	Duración en Semanas
8	Revising, Editing and Proofreading.	1
Contenidos	Indicador de logro	Referencias a

		la Bibliografía
<p>Review of major punctuation rules for commas, semicolons, colons and dashes.</p> <p>Editing for content, punctuation, spelling and grammar.</p> <p>Homework: Bring in an edited version of a Formal Report with all of the completed sections (From the Abstract to the Conclusion)</p> <p>Begin to prepare for final presentations of their work</p>	<p>At the end of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>Find and correct their most common errors in punctuation, grammar, organization and coherence.</li> </ul>	[1]

Número	Nombre de la Unidad	Duración en Semanas
9	Opened: Resume Writing or Review of Editing/rewriting	2
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>Proper formatting</p> <p>Active verbs for resume writing</p>	<p>At the end of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>identify different resume formats</li> <li>activate sentences to lead with verbs</li> <li>eliminate unnecessary text</li> </ul>	[1]

Número	Nombre de la Unidad	Duración en Semanas
10	Final Project submission and presentations	1
Contenidos	Indicador de logro	Referencias a la Bibliografía
<p>Student presentations of their work</p>	<p>At the end of this unit, students will be able to:</p> <p>Present their research and findings to their peers.</p>	[1]

### Bibliografía General

#### Bibliografía Obligatoria:

- [1] Wallwork, Adrian, "English for Writing Research Papers," Springer Science+Business Media, LLC, 2011. Available as e-book at the Library of the University.

#### Bibliografía Sugerida:

- [2] Koopman, Philip "How to write an Abstract," Carnegie Mellon University. Retrieved from: <https://users.ece.cmu.edu/~koopman/essays/abstract.html>
- [3] Peyton Jones, Simon, "How to Write a Great Research paper," <http://sms.cam.ac.uk/media/1464870>
- [4] Rodrigues, Velany, "Tips on effective use of tables and figures in research papers." Retrieved from: <http://www.editage.com/insights/tips-on-effective-use-of-tables-and-figures-in-research-papers>
- [5] Standler, Ronald B., (1988, 1999) "Technical Writing." Retrieved from <http://www.rbs0.com/tw.htm>

Vigencia desde:	Marzo 2017
Elaborado por:	Diane Greenstein
Revisado por:	F. P. Mena & A. Caba