



FICHA TÉCNICA DE LA ASIGNATURA

Datos de la asignatura	
Nombre completo	Publishing research results
Código	DOI-DEE-111
Título	Máster Universitario en Investigación en Modelado de Sistemas de Ingeniería - Master in Research in Engineering Systems Modeling por la Universidad Pontificia Comillas
Impartido en	Programa de Doctorado en Energía Eléctrica [Sin Curso Doctorado] Programa de Doctorado en Modelado de Sistemas de Ingeniería [Sin Curso Doctorado]
Nivel	Doctorados 99/2011
Cuatrimestre	Semestral
Créditos	3,0 ECTS
Carácter	Obligatoria
Departamento / Área	Departamento de Organización Industrial Escuela Técnica Superior de Ingeniería (ICAI)
Responsable	Aurelio García Cerrada
Horario	Miércoles 16:00 a 18:00
Horario de tutorías	Cita previa

Datos del profesorado	
Profesor	
Nombre	Andrew Samuel Walsh
Departamento / Área	Departamento de Traducción e Interpretación y Comunicación Multilingüe
Despacho	Cantoblanco
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Profesor	
Nombre	Aurelio García Cerrada
Departamento / Área	Departamento de Electrónica, Automática y Comunicaciones
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DATOS ESPECÍFICOS DE LA ASIGNATURA

Contextualización de la asignatura
Competencias - Objetivos



Competencias

GENERALES

CB05	Saber transmitir de un modo claro y sin ambigüedades a un público especializado o no, resultados procedentes de la investigación científica y tecnológica o del ámbito de la innovación más avanzada, así como los fundamentos más relevantes sobre los que se sustentan.
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ESPECÍFICAS

CE05	Conocer las etapas de una investigación desde su inicio hasta la transferencia de los resultados a la sociedad.
CE06	Transferir los resultados de investigación a la sociedad mediante su presentación y/o publicación en contextos científicos.

Resultados de Aprendizaje

RA1	Deberá estar fuertemente motivado para escribir los resultados de su trabajo de investigación porque comprende la importancia de las comunicaciones científicas en su propio trabajo de investigación y el de otros.
RA2	Deberá conocer en detalle la estructura comúnmente aceptada de un documento técnico y el contenido que se debe incluir en cada una de las partes de ese documento. Especialmente para aquellos documentos técnicos que recogen resultados de investigación: tesis doctorales, comunicaciones en congresos y artículos técnicos.
RA3	Deberá conocer las principales herramientas utilizadas para escribir documentos técnicos.
RA4	Deberá conocer y usar de forma fluida las estructuras de la lengua inglesa aplicables a cada una de las partes de un documento técnico.
RA5	Finalmente, un alumno con un nivel medio-alto de inglés, debería ser capaz de escribir su trabajo de investigación de forma que la estructura del documento y el uso de la lengua inglesa contribuyan a favorecer la comunicación de esos resultados, en lugar de presentar un serio obstáculo para su difusión.

BLOQUES TEMÁTICOS Y CONTENIDOS

Contenidos – Bloques Temáticos

Lectures

Chp. 1 Motivation

- 1.1 Why write technical documents
- 1.2 Understanding the types of technical documents used to report research: from a brief note to a Ph.D. thesis
- 1.3 Research papers and journals
- 1.4 Planning your writing and choosing your audience
- 1.5 Outline



Chp. 2 Structure of a technical document

- 2.1 The standard model
- 2.2 Advanced models

Chp. 3 Writing the introduction

- 3.1 Literature survey
- 3.2 Writing definitions in English
- 3.3 Reporting verbs
- 3.4 Tenses for reporting previous research

Chp. 4 References and the reference list

- 4.1 The importance of supporting your statements with appropriate references
- 4.2 Plagiarism
- 4.3 Examples of reference formats

Chp. 5 The choice of your word processor

- 5.1 WYSIWYG-type word processors
- 5.2 LaTeX: a document preparation system

Chp. 6 Writing the body of your document

- 6.1 Explaining the procedure
- 6.2 Useful linking: "as" clauses
- 6.3 The language of "increase" and "decrease"
- 6.4 Discussion of results
- 6.5 Ways of describing accuracy of results
- 6.6 Comparison of results
- 6.7 Explanation of errors and unexpected results
- 6.8 Writing references to material within the document itself

Chp. 7 Writing the conclusions

- 7.1 Summary
- 7.2 Conclusions

Ch. 8 Writing the abstract

- 8.1 Contents
- 8.2 Tenses
- 8.3 Personal pronouns
- 8.4 Negatives and abbreviations

Chp. 9 The appendices

- 9.1 The importance of Appendices
- 9.2 What to put in an Appendix



Chp 10 After writing a journal paper

- 10.1 The review process
- 10.2 Answering the reviewers
- 10.3 Proofs and publication
- 10.4 Giving it another try

Chp. 11 After writing a conference paper

- 11.1 Preparing your talk
- 11.2 Delivering your talk
- 11.3 Answering questions

Chp. 12 How to get a PhD

- 12.1 Research for a PhD
- 12.2 Managing your supervisor
- 12.3 Managing the institution
- 12.4 Preparing your dissertation
- 12.5 Your supervisor's feedback
- 12.6 Viva and outcome

Assignments

1 Outline: Students will have to write an "Outline" for a short paper proposed by the instructors.

2 Introduction: Students will have to write a short "Introduction" for a paper. They have to use references to the literature using the automatic features of the word processor chosen. A short "Reference List" must be included.

3 Paper Body: Students will have to write a couple of paragraphs of the body of a paper. They will have to include references to material within the paper itself using the automatic features of the word processor chosen.

4 Conclusions: Students will have to write a "Conclusions" section for a paper.

5 Abstract: Students will have to write an appropriate abstract for a paper about the topic suggested by the instructors.

6 Full paper and oral presentation: Students will have to write a full paper following the editorial specifications given by the instructors. The full paper will be presented orally

METODOLOGÍA DOCENTE

Aspectos metodológicos generales de la asignatura

Metodología Presencial: Actividades

Lectures: All the course sessions will be conducted in English and the students are expected to participate in this language. Lectures will



present the fundamental aspects of the course. They will emphasise the structure of a typical technical document (paper, report, and dissertation) and explain the contents of each of the sections of the document. They will also explain the main language conventions for the different parts of a technical document.

Discussion of assignments: All the assignments submitted by the students will be reviewed in class to explain the positive points and the mistakes. Various aspects will be discussed: clarity, contents, register, collocation, language conventions, use of the word processor, alternatives, etc.

Metodología No presencial: Actividades

Assignments: Students will have to complete several assignments to practice each of the main parts of a research report/paper. Each submission will be discussed in class in order highlight the most important positive points and mistakes.

RESUMEN HORAS DE TRABAJO DEL ALUMNO

HORAS PRESENCIALES		
Lección magistral: presentación de los aspectos metodológicos fundamentales Todas las sesiones del curso se darán en inglés y se espera la participación de los alumnos también en inglés.	Análisis y corrección de las tareas: los ejemplos presentados por los alumnos se discutirán en clase en sesiones en las que el profesor actuará como moderador. Los ejemplos presentados por los alumnos también serán corregidos de forma individual por el profesor.	
15.00	15.00	
HORAS NO PRESENCIALES		
Elaboración de tareas: los alumnos tendrán que presentar por escrito ejemplos de la mayoría de los temas tratados en el curso.	Escritura de un artículo técnico: cada alumno entregará un trabajo al final del curso que será corregido individualmente por el profesor.	Estudio de ejemplos concretos de publicación de resultados de investigación: tesis doctorales, presentaciones en congresos y artículos técnicos.
15.00	15.00	20.00
CRÉDITOS ECTS: 3,0 (80,00 horas)		

EVALUACIÓN Y CRITERIOS DE CALIFICACIÓN

Actividades de evaluación	Criterios de evaluación	Peso
Course work (partial assignments)	<ul style="list-style-type: none"> - At least 70% of the proposed home work must be completed and submitted. - Contents, structure and the use of English will be evaluated. 	40
- Final Paper and Oral Presentation	<ul style="list-style-type: none"> - Contents, structure and the use of English will be evaluated. - Editorial instructions must be followed closely 	50
	<ul style="list-style-type: none"> - Students' interest and their use of English will be 	



Student's participation in class	- Students' interest and their use of English will be taken into account	10
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Calificaciones

- Individual work. up to 4 points
- Students' participation: up to 1 point
- Final paper and oral presentation: up to 5 points.
- At least 70% of the individual work must be submitted. Otherwise the student will fail the course.
- The final paper must be submitted and presented. Otherwise the student will fail the course.

PLAN DE TRABAJO Y CRONOGRAMA

Actividades	Fecha de realización	Fecha de entrega
L1 Course Introduction Assignment: OUTLINE	06-Oct-2021	13-Oct-2021
L2 How to Get a PhD and Structure of a Paper Assignment: Reading "How to Get a PhD"	13-Oct-2021	20-Nov-2021
L3 The Introduction and Reference to Previous Work Assignment: INTRODUCTION with references	20-Oct-2021	27-Oct-2021
L4 Word Processors and Paper Body Assignment: PAPER BODY with references	27-Oct-2021	03-Nov-2021
Discussion: OUTLINE, INTRODUCTION and TOOLS	03-Nov-2021	03-Nov-2021
L5 Conclusions + The Road to Have your Paper Published Assignment: CONCLUSIONS	10-Nov-2021	17-Nov-2021
L6 The Road to Have Your Paper Published (cont.) + Abstract Assignment: ABSTRACT	17-Nov-2021	24-Nov-2021
Discussion: PAPER BODY + CONCLUSIONS		



Assignment: FULL PAPER	24-Nov-2021	10-Dec-2021
Discussion: ABSTRACT	02-Dec-2020	02-Dec-2020
L7 Letter to Reviewers	15-Dec-2021	15-Dec-2021
PRESENTATION FINAL PAPER	22-Dec-2021	12-Jan-2022

BIBLIOGRAFÍA Y RECURSOS

Bibliografía Básica

- * Slides for each lecture (available in Moodle).
- * Michaelson, H.B. (1986). How to Write and Publish Engineering Papers and Reports. 2nd Edition. The Professional Writing Series. ISI Press. Philadelphia.
- * Philips, E.M. and Pugh, D.S. (1994). How to Get a Ph.D. Open University Press, Buckingham.

Bibliografía Complementaria

- [1]. Bryson, B. (2004). A Short History of Nearly Everything. A Black Swan book.
- [2]. Garfield, E. (2006). "The history and meaning of the Journal Impact Factor". Journal of American Medical Association (JAMA). January, 4, vol.. 295, no. 1. Downloaded from www.jama.com. pp 90-93
- [3]. Garfield, E. (2003). "The meaning of the Impact Factor". Revista Internacional de Psicología Clínica y de la Salud (RIPCS/IJCHP). Vol. 3, no.2 pp. 363-369.
- [4]. Garfield, E. (1990). "How ISI selects journals for coverage: quantitative and qualitative considerations". Reprinted in: Current Contents #22, May 28, 1990; reprinted in Garfield, E. "Essays of an Information Scientist", vol. 13, pp. 185-193 (1999). File: www.garfield.library.upenn.edu/essays,v13p185y1990.pdf . Last accessed 8-Jan-2017
- [5]. Lodge, D. (1984). Small World. Penguin books Ltd. London, U.K.
- [6]. Moed, H.F. (2005) "Citation analysis of scientific journals and journal impact measures". Current Science, vol. 89, no. 12, 25 December. pp 1990-1996.
- [7]. Harzing, A.W. (2007) Publish or Perish, available from <http://www.harzing.com/pop.htm> . Last accessed 8-Jan-2017
- [8]. Harzing, A.W. (2010). The Publish or Perish Book: your guide to effective and responsible citation analysis. Tarma Software Research Pty Ltd, Melbourne, Australia.
- [9]. Petre, M. and Rugg, G. (2011). The Unwritten Rules of PhD Research. Open University Press, McGraw-Hill, Maidenhead.
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- [12]. Pears, R. and Shields, G. (2013). Cite Them Right (9th edition). Palgrave Study Skills. Palgrave Macmillan, Basingstoke.
- [13]. Clouse, B.F. (2005). 265 Troubleshooting Strategies for Writing Nonfiction. McGraw- Hill, N.Y.
- [14]. American Psychological Association (2001). Publication Manual of the American Psychological Association (5th Edition). Washington D.C.
- [15] Might, M. (author's pag. <http://matt.might.net/>) "The illustrated guide to a Ph.D." available from <http://matt.might.net/articles/phd-school-in-pictures/> Accessed: 8-01-17



COMILLAS

UNIVERSIDAD PONTIFICIA

ICAI

ICADE

CIHS

GUÍA DOCENTE

2021 - 2022

En cumplimiento de la normativa vigente en materia de **protección de datos de carácter personal**, le informamos y recordamos que puede consultar los aspectos relativos a privacidad y protección de datos que ha aceptado en su matrícula entrando en esta web y pulsando "descargar"

<https://servicios.upcomillas.es/sedelectronica/inicio.aspx?csv=02E4557CAA66F4A81663AD10CED66792>

W **2021-22** **Andrew Walsh and
Aurelio García-Cerrada** **Publishing Research
Results**

		Room	Topic	Comments	
1	Wed.	06-Oct	Course Introduction	1st assignment: OUTLINE	AW+AGC
2	Wed.	13-Oct	How to get a PhD +Structure of a paper	2nd assignment: Read “How to get a PhD”	AGC
3	Wed.	20-Oct	The Introduction and reference to previous work	3rd assignment: INTRODUCTION with references	AGC
4	Wed.	27-Oct	Word Processors+<i>paper body</i>	4th assignment: Practice on PAPER BODY, with references	AGC
5	Wed.	03-Nov	Discussion on “Outline”, “The Introduction” and tools	Discussion	AW+AGC
6	Wed.	10-Nov	Conclusions+the road to have your paper published	5th assignment: CONCLUSIONS	AGC
7	Wed.	17-Nov	The road to have your paper published (cont.)+abstract	6th assignment: AN ABSTRACT	AGC
8	Mon.	24-Nov	Comments on “Paper body”+“Conclusions”	Discussion and Final assignment: A FULL PAPER+PRESENTATION	AW+AGC

Schedule_v2

9	Thurs.	01-Dec	Comments on "Abstract"	Discussion	AW+AGC
10	Thurs.	15-Dec	Letter to reviewers	Your defence: register+language	AW
11	Wed.	22-Dec	PRESENTATIONS	PRESENTATIONS	AW/AGC
12	Wed.	12-Jan	PRESENTATIONS?	PRESENTATIONS?	AW/AGC