

DOCTORATE PROGRAMME IN APPLIED ENGINEERING

COMPULSORY TRAINING FOR THE DOCTORATE PROGRAMME

Course Title	Documentary research techniques
Language	Spanish
Duration / Hours	3 ECTS (75 h)
Type of Activity	Tutoring: 20h Student's practical work and self-study: 55h
Contenido	<ul style="list-style-type: none"> - Strategies for searching and retrieving scientific information - Critical evaluation of information and scientific activity - Ethical, legal, and strategic information management - Open science and scientific publishing - Collaborative digital tools for research - Technological and strategic surveillance
Bibliography	<ul style="list-style-type: none"> - Badenoch, D. (2021). The Craft of Research (4th ed.). University of Chicago Press. - Rowley, J., & Hartley, R. (2017). Organizing Knowledge: An Introduction to Managing Access to Information (4th ed.). Routledge. - Mann, T. (2005). Library Research Models: A Guide to Classification, Cataloging, and Computers. Oxford University Press. - Suber, P. (2012). Open Access. MIT Press.(https://mitpress.mit.edu/books/open-access) - European Commission (2017). H2020 Guidelines on FAIR Data Management in Horizon 2020 (https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf) - Weller, M. (2011). The Digital Scholar: How Technology is Transforming Scholarly Practice. Bloomsbury Academic. (https://library.oapen.org/bitstream/handle/20.500.12657/58701/1/9781849666268.pdf)
Learning Outcomes	<ul style="list-style-type: none"> - Acquire and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context, particularly within different project typologies in lines of research - Demonstrate the ability to manage Research, Development, and Innovation (R&D&I) activities
Evaluation	Evaluation will be in terms of Pass/Fail
Placement within Doctoral Program	Semester 1 of the 1st year (for both full-time and part-time students)