



Course: Scientific and environmental journalism

Degree: Journalism

Course: 4th

Semester: 1st

Weekly planning

Week	Session content	Work for the student during the week		
		Description	Attendance hours	Weekly hours of work
1	Science as something with journalistic interest	Watch different videos on youtube on the current situation of Science information and scientific journalism	3	6
2	Sources in scientific journalism	Select 3 scientific news They should have been published in a newspapers targeted for the general population in the last 5 days. Find the following information: <ul style="list-style-type: none"> • Heading, media, date, link or page • Author • Sources type • Technical terms • Does the journalist clearly present the social application of the scientific development? 	3	7
3	Scientific academic journals as sources	Find a scientific publication based on an experimental research. Use official scientific journals. <ul style="list-style-type: none"> • Identify and summarise all the steps that were followed in the experiment and provide the main conclusions. • The research should be related to any of the following fields: Chemistry, Biology, Mathematics, Geology, Physics, Health, Technology, Informatics, Engineering, Environment. 	3	5
4	Scientific academic journals as sources	The Web of Knowledge: Select 3 scientific journals and find: <ul style="list-style-type: none"> • Impact factor • Subject category (one or more) • Quartil ranked in the category 	3	6

5	Scientific academic journals as sources	Select 3 scientific articles and search for: <ul style="list-style-type: none"> • Title, authors, working place and contact information • Why is this study important? • Study objectives • Material and method • Results • Most important finding • Authors who made similar research 	3	6
6	Internet and the scientific journalism	Use of internet to search scientific information: Pubmed <ol style="list-style-type: none"> 1. Select a field 2. List all the entry terms of your selected field 3. Search for free full text articles 4. Search for articles in Spanish or for any other non-English language 5. Search for the most recent article in the field 6. Find an author with recent publications in the field 7. Get the scientist's contact details 	3	6
7	Internet and the scientific journalism	Use of internet to search scientific information: Google scholar & Microsoft Academic search <ol style="list-style-type: none"> 1. Select a topic and select 3 scientific articles in free full text 2. Number of times that your article has been cited by other articles 3. Select 3 authors in the field 4. Number of publications of your authors 5. Number of total citations for each author 6. Fields of study of each author 7. Look for the contact details 	3	6
8	Writing skills in scientific journalism	Select a scientific topic based in your searches conducted during the previous weeks Contact with the scientists that were the authors of scientific articles. Provide the following: Interviews to a minimum of 2 scientists	3	7
9	Journalistic genres applied to scientific information	A report for the general population A press release in order to promote the scientists and the organization in the media targeted to the general population.	3	7
10	Science news published in different media options: press, webs, television and radio.	Prepare the work made in previous weeks for specific media: press, webs, tv and radio.	3	7

11	Scientific journalism as a profession itself.	Watch some interviews to Science journalists Prepare a paper reflecting on the challenges and opportunities that Science journalists should face in their profession.	3	5
12	Data Journalism	The Prestige and Doñana Cases	3	5
13	Data Journalism	Disease mongering and the mass media	3	6
14	Health Journalism	Health communication strategies	3	5
15	Delivery of portafolio, missing classes, tutorial activities	Closure and final remarks for the course		
16-18	Assessment preparation		3	
	TOTAL		150	