

**COURSE DATA****Data Subject**

Code	43023
Name	Sources of information, scientific and social communication in the context of health
Cycle	Master's degree
ECTS Credits	7.0
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. year	Period
2138 - M.D. in Research in and Rational Use of Medicines	Faculty of Pharmacy and Food Sciences	1	First term

Subject-matter

Degree	Subject-matter	Character
2138 - M.D. in Research in and Rational Use of Medicines	1 - Sources of information, scientific and social communication in the context of health	Obligatory

Coordination

Name	Department
ALCARAZ TORMO, MARIA JOSE	135 - Pharmacology
BENEDITO MONLEON, MARIA DESAMPARADOS	306 - Social Psychology
LUCAS DOMINGUEZ, RUTH	225 - History of Science and Documentation

SUMMARY

The topic is an obligatory subject in the master. This course is geared to the student to access and appreciate the quality of scientific information, especially related to drugs. Also introduced into the characteristics required of scientific communication both orally and in writing. It is a basic subject for the further development of materials which are required to consult and develop and manage research papers scientific literature, but also essential to guide the clinician in finding information and its transmission to the patient or other health professionals . It is complemented by the acquisition of basic communication skills that every professional should have, for better user interaction within the field of health. Its instrumental nature allows fitting in with the other subjects providing a valuable tool to facilitate learning and professional performance.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

There is no registration restriction

OUTCOMES

2138 - M.D. in Research in and Rational Use of Medicines

- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

LEARNING OUTCOMES

At the end of the teaching-learning process the student should be able to:

1. Make an oral presentation on a research paper concisely and good expression and presentation technique.
2. Searching for information about the best clinical evidence of a new drug.
3. To write a critical report on the quality of drug information and the quality of scientific and clinical evidence, a proper presentation of the literature.
4. Planning the right organization to perform work as a team and carry it out efficiently.
5. Using scientific databases, abstracts, full articles, etc., Necessary to complete their training on medicines.
6. Use empathic communication in health care

DESCRIPTION OF CONTENTS

**1. Drug information sources**

- Item 1. Drug information sources. Biomedical databases.
- Item 2. Resúmen issue of the technical characteristics of the drugs and prospects.
- Item 3. The information provided by the pharmaceutical industry.
- Item 4. Analysis and critical interpretation of the scientific literature.
- Item 5. Drug information centers.
- Item 6. Active information and passive information.
- Item 7. The methodology in drug selection.
- Item 8. Quality Indicators: Evidence-Based Medicine

2. Scientific Communication

- Item 9. Communication and development of information on topics of drugs.
- Item 10. Design, methodology and quality of scientific communication.
- Item 11. Oral communication skills: communication in congress, conference, debate, etc.
- Item 12. Techniques for scientific writing, research projects and reports.

3. Social skills for health professionals

- Item 13. The interaction between health professional and patient: aspects that regulate interpersonal relationship in the context of health.
- Item 14. Improving communication skills with patients: skills training in communication skills.
- Item 15. Improving compliance with the requirements of the patient treatment.

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	25,00	100
Group work	20,00	100
Seminars	20,00	100
Tutorials	5,00	100
Development of group work	55,00	0
Preparation of practical classes and problem	20,00	0
Resolution of case studies	30,00	0
TOTAL	175,00	



TEACHING METHODOLOGY

During the activities, both theoretical and practical, the applications of the subject contents in relation to the Sustainable Development Goals (SDG) will be indicated. This is intended to provide knowledge, skills and motivation to understand and address these SDGs, while promoting reflection and criticism.

Lectures. Aimed to obtaining basic skills. The dogmatic method combined with the heuristic method will be used for the presentation of the fundamental concepts and the most relevant contents of the subject, using the audiovisual media necessary for their development.

Expert Conferences and Seminars. Different problems are proposed, to be solved by the students and discussed in face-to-face sessions under the supervision of the teacher, which will imply an active participation of the student.

Group work. Approach of different group works to implement and develop the content of the topics and techniques studied. There will also be discussions on real situations and current issues. In these debates it is the students who have to contribute arguments, defend them and agree on solutions.

Tutorials. The tutorials are organized in small groups of students, according to the established calendar. In them, the teacher will individually or collectively ask specific questions of greater complexity than those solved in ordinary seminars according to the needs of the students. Likewise, the tutorials will serve to solve the doubts that may have arisen throughout the theoretical classes and to advise students on the strategies to follow to avoid the difficulties that may arise.

Discussions and other activities. To complete teaching, students will carry out, exhibit and discuss written works, oral presentations and various scientific communication and dissemination activities, which will be reviewed by their peers, analyzing key items to ensure good communication. These activities can be carried out through the virtual classroom, such as tasks, videoconferences, forum, chat, etc.

EVALUATION

There will be a formative assessment throughout the course, based on the resolution of problems and issues (30%), jobs (30%) and oral presentations (35%).

It will also make a final test (5%)

To pass the course will require attendance at 80% of the sessions and obtaining a score greater than or equal to 50% in each section evaluated.



REFERENCES

Basic

- Cabello López J.B. Lectura crítica de la evidencia clínica. Madrid, Elsevier, 2015.
- Ferragud C, Vidal A, Bertomeu JR, Lucas R. Documentación y metodología en ciencias de la salud. Valencia: Nau Llibres; 2017.
- Fuentes de información de medicamentos. INFAC 2011: 19(6). Disponible en: http://www.chospab.es/biblioteca/Fuentes_de_Informacion_de_Medicamentos.pdf
- Guyatt G. et al. User's guide to the medical literature. A manual for evidence-based clinical practice, 3^a ed., McGraw-Hill, Columbus, EE.UU., 2015.
- Mabrouki K, Bosch F. Redacción científica en biomedicina: lo que hay que saber CUADERNOS DE LA FUNDACIÓN DR. ANTONIO ESTEVE N°9, Fundación Dr. Antonio Esteve 2010 <http://www.esteve.org>
- Serés E, Rosich L, Bosch F. Presentaciones orales en biomedicina. Aspectos a tener en cuenta para mejorar la comunicación. Cuadernos de la Fundación Dr. Antonio Esteve N°20. Barcelona: Fundación Dr. Antonio Esteve 2010, <http://www.esteve.org>
- Materiales CASPe. Lectura crítica. Disponible en <http://www.redcaspe.org>

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

Face-to-face teaching is foreseen, but in the event that attendance is not possible due to the establishment of new sanitary measures, the following addendum will apply:

1. Contents

All the contents programmed in the teaching guide are kept.

2. Workload

The volume of work and the temporary planning of the same is maintained but the teaching will be taught in person.

3. Teaching methodology

The course content will be provided to students through the virtual classroom (ppt and pdf) with the



subject slides that include the teacher's explanation. Synchronous BBC videoconferences will also be held on the same dates and times scheduled for classes. In addition, supplementary materials such as videos, scientific articles, etc. will be provided, as well as problems to solve and self-evaluation questionnaires. The tutorials and the resolution of doubts will be made through the email and the virtual classroom forum.

4. Evaluation

The assessment described in the teaching guide is maintained.

5. Bibliography

The bibliography recommended in the teaching guide is maintained.