Information about the course

Degree: Bachelor of Science Degree in Medicine

Faculty: Faculty of Medicine and Health Sciences

Code: 340204 **Name:** History of Medical Science, and Medical Documentation and Terminology

Credits: 6,00 ECTS **Year:** 2 **Semester:** 1

Module: Social Medicine, Communication Skills and Initiation to Research

Subject Matter: Iniciación a la investigación **Type:** Obligatoria

Branch of knowledge:

Department: Biostatistics, Epidemiology, and Public Health

Type of learning: Classroom-based learning

Language/-s in which it is given: Spanish

Teachers:

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342B	Francisco Jose Tarazona Santabalbina **(Profesor responsable)**	fj.tarazona@ucv.es
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Module organization

Social Medicine, Communication Skills and Initiation to Research

Subject Matter	ECTS	Subject	ECTS	Year/semester
Antropología	6	Medical Anthropology	6	1/1
Estadística	6	Biostatistics	6	1/2
Ética	6	Ethics and Social Morality	6	2/1
Ética y valores profesionales	12	Bioethics and Medical Deontology	6	4/1
		Science, Reason and Faith	6	2/2
Gestión Sanitaria	3	Healthcare Management	3	4/1
Habilidades de comunicación	3	Laboratory of Clinical Interview and Communication Skills	3	3/1
Idioma Moderno	6	Medical English	6	1/1
Iniciación a la investigación	9	History of Medical Science, and Medical Documentation and Terminology	6	2/1
		Laboratory of Research Methodology	3	4/1
Medicina Social	15	Family and Community Medicine	3	5/2
		Legal Medicine and Toxicology	6	5/1
		Preventive Medicine and Public Health	6	4/2

Learning outcomes

Al finalizar la asignatura, el estudiante deberá demostrar haber adquirido los siguientes resultados de aprendizaje:

R10 - Knowing how to apply the Research Methodology to case studies, including: formulation of hypotheses and objectives, population selection, type of design, selection of appropriate controls, collection and recording of data; analysis and interpretation of them.

Learning outcomes of the specified title

Type of AR: Description

- Acquiring basic training for research activity

Type of AR: Description

- Knowing and managing clinical documentation procedures

- Knowing, critically valuing and knowing how to use technologies and sources of clinical and biomedical information, to obtain, organize, interpret and communicate clinical, scientific and health information

Type of AR: Description

- Knowing, critically valuing and knowing how to use the sources of clinical and biomedical information to obtain, organize, interpret and communicate scientific and health information

- Students can pass on information, ideas, problems and solutions to both a specialized and non-specialized audience

- Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics

- Students know how to apply their knowledge to their job or vocation in a professional way and possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study

R14 - Know the history of health and disease.

Learning outcomes of the specified title

Type of AR: Description

- Knowing the history of health and disease

Type of AR: Description

- Students can pass on information, ideas, problems and solutions to both a specialized and non-specialized audience

- Students have demonstrated to possess and understand knowledge in a study area that starts from the base of the general secondary education, and is usually found at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the forefront of their field of study

- Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics

R15 - Manage and use with autonomy a personal computer and biomedical information search and recovery systems.

Learning outcomes of the specified title

Type of AR: Description

- Operating a personal computer with autonomy. Using biomedical information search and retrieval systems

Type of AR: Description

- Knowing the principles of telemedicine

R16 - Know the existence and principles of alternative medicines.

Learning outcomes of the specified title

Type of AR: Description

- Knowing and managing the principles of medicine based on (best) evidence

Type of AR: Description

- Having, in professional activity, a critical, creative point of view, with constructive and research-oriented skepticism

- Understanding the importance and limitations of scientific thinking in the study, prevention and management of diseases

R17 - Know and manage clinical documentation procedures.

Learning outcomes of the specified title

Type of AR: Description

- Knowing and managing clinical documentation procedures

- Knowing, critically valuing and knowing how to use technologies and sources of clinical and biomedical information, to obtain, organize, interpret and communicate clinical, scientific and health information

Type of AR: Description

- Students have developed the learning skills needed to undertake further studies with a high degree of autonomy

R18 - Understand and critically interpret scientific texts.

Learning outcomes of the specified title

Type of AR: Description

- Understanding and critically interpreting scientific texts

R20 - Know the principles of telemedicine.

Learning outcomes of the specified title

Type of AR: Description

- Knowing the principles of telemedicine

R23 - Identify the Medical History and its parts in Primary Care and Specialized Care of the Public Health System. Identify the items that make up the CMBD.

Learning outcomes of the specified title

Type of AR: Description

- Operating a personal computer with autonomy. Using biomedical information search and retrieval systems

Type of AR: Description

- Maintaining and using records with patient information for further analysis, preserving data confidentiality

- Obtaining and using epidemiological data and assess trends and risks for health decision-making

R24 - Distinguish computer applications for access to Clinical Records. Distinguish GRDs and Health Indicators from department, health zone, hospital, etc. Identify CIE 9 codes in Clinical Records.

Learning outcomes of the specified title

Type of AR: Description

- Basic knowledge of the National Health System and health legislation

- Knowing national and international health organizations and the environments and conditions of different health systems

R25 - Identifies the health insurance card and distinguishes each of its sections.

Learning outcomes of the specified title

Type of AR: Description

- Basic knowledge of the National Health System and health legislation

R26 - Distinguish the different parts and composition of a hospital's Admission Service.

Learning outcomes of the specified title

Type of AR: Description

- Basic knowledge of the National Health System and health legislation

R28 - Know the Spanish Health System and the main International Health Agencies.

Learning outcomes of the specified title

Type of AR: Description

- Basic knowledge of the National Health System and health legislation

- Knowing national and international health organizations and the environments and conditions of different health systems

R29 - Distinguish the main forms of scientific communication. The parts of a scientific work. The structure of a scientific journal and a scientific article.

Learning outcomes of the specified title

Type of AR: Description

- Understanding and critically interpreting scientific texts

R30 - Know how to access the main scientific journals. Conduct bibliographic searches in the main biomedical databases and manage tools for the recovery of information on the Internet.

Learning outcomes of the specified title

Type of AR: Description

- Knowing how to use information and communication technologies in clinical, therapeutic, preventive and research activities

Type of AR: Description

- Knowing, critically valuing and knowing how to use the sources of clinical and biomedical information to obtain, organize, interpret and communicate scientific and health information

- Understanding and critically interpreting scientific texts

R31 - Manages the main sources of information of Evidence-Based Medicine as well as the main web pages for the extraction of health information (demographics and population, socioeconomic aspects, health status, determinants in health, health system resources and activities, financing and economic activity of the health

Learning outcomes of the specified title

Type of AR: Description

- Knowing and managing the principles of medicine based on (best) evidence

R7 - To know and understand how to practice the different types of written and oral scientific communication.

Learning outcomes of the specified title

Type of AR: Description

- Knowing and managing clinical documentation procedures

Type of AR: Description

- Being able to formulate hypotheses, critically collect and evaluate information for problem solving, following the scientific method

- Students can pass on information, ideas, problems and solutions to both a specialized and non-specialized audience

- Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics

- Students know how to apply their knowledge to their job or vocation in a professional way and possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study

- Understanding and critically interpreting scientific texts

R9 - Have criteria to select sources of information in Health Sciences in the bibliographic review phase of a research process. He knows how to search for scientific information and critical readings of it. Learn about the differences between original articles and the different types of review articles.

Learning outcomes of the specified title

Type of AR: Description

- Knowing and managing clinical documentation procedures

- Knowing and managing the principles of medicine based on (best) evidence

- Knowing, critically valuing and knowing how to use technologies and sources of clinical and biomedical information, to obtain, organize, interpret and communicate clinical, scientific and health information

Type of AR: Description

- Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics

- Students know how to apply their knowledge to their job or vocation in a professional way and possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study

- Understanding and critically interpreting scientific texts

Assessment system

Modalidad presencial

Assessed learning outcomes	Granted percentage	Assessment tool
R7, R9, R14, R16, R17, R20, R23, R24, R28	30,00%	Open questions
R7, R9, R14, R16, R17, R18, R20, R23, R24, R25, R26, R28, R29, R30, R31	70,00%	Tests

Observations

Each professor of this subject will evaluate the content they have taught, giving it a proportional value to the ECTS load. The sum of the parts will result in the final grade. The evaluation criteria for the second exam session of the course will be the same as those for the first session. The Register of Direct Questions to the Student consists of assessing the student's participation in response to direct questions from the professor and the resolution of issues during classes.
This course does not include the option of single assessment, as it requires the mandatory completion of activities involving active student participation throughout the academic term.
Criteria for awarding honors ("Matrícula de Honor")
Honors may be awarded to the best students, who must have obtained a minimum grade of 9. If circumstances require, a special test may be established to determine those students deserving of honors, considering the limitation of 5% of enrolled students.
In the second and subsequent exam sessions, honors can only be awarded if any remain after the first exam session.
On the Use of AI:
Students are allowed to use AI for the following purposes:
·Clarifying doubts related to learning activities
·Assisted learning (e.g., alternative explanations or self-assessment exercises)
·Searching for alternative study resources and references
Students are not allowed to use AI for the following purposes:
·Recording or transcribing, in whole or in part, any classroom activity in order to generate AI-produced summaries or notes
·Generating text for assignments related to Activity X

·Presenting AI-generated work as their own
·Providing AI tools with prompts, exercises, or assessment tasks to obtain automated answers
Citation and Attribution Criteria:
·If AI is used in any activity, students must indicate which part of the activity involved AI, which tool was used, and for what purpose.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Actividades formativas

The methodologies to be used so that the students reach the expected learning outcomes will be the following:

M2	Problems resolution and practical cases
M4	Content presentations by teacher
M5	Knowledges and skills explanation
M7	Oral presentation by student
M8	Group activities supervised by professor
M9	Knowledge acquirance through student interaction and activity
M11	Personalised attention by professor
M12	Tests to understand the level of knowledge acquirance and skills

M13 Written work

M14 Online activity on e-learning

M15 Personal study

M16 Information research

M17 Discussion and solving issues in group

M19 Group work for searching, discussion and information research

IN-CLASS TRAINING ACTIVITIES

ACTVITY	RELATIONSHIP WITH THE COURSE LEARNING OUTCOMES	METHODOLOGY	HOURS	ECTS
Theory class	R7, R9, R10, R14, R16, R20, R23, R24, R25, R26, R28, R29, R30, R31	Content presentations by teacher Knowledges and skills explanation Knowledge acquirance through student interaction and activity	40,00	1,60

Seminar and group practices	R10, R15, R30	Problems resolution and practical cases Oral presentation by student Group activities supervised by professor Knowledge acquirance through student interaction and activity Discussion and solving issues in group Group work for searching, discussion and information research	9,00	0,36
Practices in small groups	R10, R15, R20	Problems resolution and practical cases Group activities supervised by professor Knowledge acquirance through student interaction and activity Information research Discussion and solving issues in group Group work for searching, discussion and information research	6,40	0,26

Tutoring	R9, R10, R14	Personalised attention by professor	2,30	0,09
Evaluation	R7, R9, R10, R14, R16, R17, R18, R28, R29, R30, R31	Problems resolution and practical cases Oral presentation by student Tests to understand the level of knowledge acquirance and skills	2,30	0,09
TOTAL			**60,00**	**2,40**

TRAINING ACTIVITIES OF AUTONOMOUS WORK

ACTVITY	RELATIONSHIP WITH THE COURSE LEARNING OUTCOMES	METHODOLOGY	HOURS	ECTS
No attendance	R7, R9, R10, R14, R15, R16, R18, R28, R29, R30, R31	Problems resolution and practical cases Group activities supervised by professor Knowledge acquirance through student interaction and activity Written work Online activity on e-learning Personal study Information research Discussion and solving issues in group Group work for searching, discussion and information research	90,00	3,60
TOTAL			**90,00**	**3,60**

Description of contents

Descripción de contenidos necesarios para la adquisición de los resultados de aprendizaje.

Theoretical content:

Block of content	Contents
SECTION I: HISTORY OF MEDICAL SCIENCE	Unit I: Introduction to the History of Medical Science Unit II: Medicine in Ancient Civilizations. Greek and Roman Medicine Unit III: Medicine in the Middle Ages Unit IV: The Renaissance and the Birth of Modern Medical Science Unit V: Medicine in the Modern Age Unit VI: 19th Century: Medical Revolution and Professionalization Unit VII: Medicine in the 20th and 21st Centuries
SECTION II	MEDICAL TERMINOLOGY
SECTION III	THE CURRENT HEALTHCARE SYSTEM IN SPAIN AND THE VALENCIAN COMMUNITY
SECTION IV	MEDICAL DOCUMENTATION
WORKSHOPS	Analysis of Monographic Topics in Small Groups

Temporary organization of learning:

Block of content	Sessions	Hours
SECTION I: HISTORY OF MEDICAL SCIENCE	14	28,00
SECTION II	3	6,00
SECTION III	4	8,00
SECTION IV	6	12,00
WORKSHOPS	3	6,00

References

https://www.clinicalkey.com/student

·Sánchez González, MA (2022). Historia de la medicina y humanidades médicas (3ª edición).Barcelona, Elsevier Masson. ISBN: 9788491139614.·López Piñero, J.M. (2000). Breve Historia de la Medicina. Madrid, Alianza Editorial.·López Piñero, J.M.; Terrada Ferrandis, M.L. (2000). Introducción a la Medicina. Barcelona,Editorial Crítica.·Martínez-Almagro Andreo, A.; et al. (2007). Terminología, método científico y estadísticaaplicada en Ciencias de la Salud. Murcia, Morphos Ediciones.·Aleixandre-Benavent R, González Alcaide G, González de Dios J, Alonso Arroyo A. Fuentes deinformación bibliográfica (I). Fundamentos para la realización de búsquedas bibliográficas. ActaPediátrica Española. 2011;69(3): 235-40.·Argudo S. Mejorar las búsquedas de información. Barcelona: UOC; 2012. Cid Leal P,Perpinyà Morera R. Cómo y dónde buscar fuentes de información. Barcelona: UniversitatAutònoma de Barcelona; 2013.