Information about the subject

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: Research inicialization **Type:** Compulsory

Field of knowledge: Health Science

Department: Biostatistics, Epidemiology, and Public Health

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Social Medicine, Communication Skills and Initiation to Research

Subject Matter	ECTS	Subject	ECTS	Year/semester
Communication Skills	3,00	Laboratory of Clinical Interview and Communication Skills	3,00	3/1
Social Medicine	15,00	Family and Community Medicine	3,00	5/2
		Legal Medicine and Toxicology	6,00	5/1
		Preventive Medicine and Public Health	6,00	4/2
Research inicialization	9,00	History of Medical Science, and Medical Documentation and Terminology	6,00	2/1
		Laboratory of Research Methodology	3,00	4/1
Statistics	6,00	Biostatistics	6,00	1/2
Ethics and professional issues	12,00	Bioethics and Medical Deontology	6,00	4/1
		Science, Reason and Faith	6,00	2/2
Health management	3,00	Healthcare Management	3,00	4/1
English	6,00	Medical English	6,00	1/1
Ethics	6,00	Ethics and Social Morality	6,00	2/1
Antropology	6,00	Medical Anthropology	6,00	1/1

Recommended knowledge

Prerequisites: not set.

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

R1	Know, critically value and know how to use technologies and sources of clinical and biomedical information, to obtain, organize, interpret and communicate clinical, scientific and health information.
R2	Know the basics of biostatistics and its application to the medical sciences. Be able to design and perform simple statistical studies using computer programs and interpret the results.
R3	Know the principles of telemedicine.
R4	Know and manage the principles of medicine based on (best) evidence.
R5	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.
R6	Know the history of health and disease.
R7	Manage and use with autonomy a personal computer and biomedical information search and recovery systems.
R8	Know the existence and principles of alternative medicines.
R9	Know and manage clinical documentation procedures.
R10	Know the principles of telemedicine.
R11	Know and manage the principles of evidence-based medicine.
R12	Knowing, critically valuing and knowing how to use clinical and biomedical technologies and sources of information to obtain, organize, interpret and communicate clinical, scientific and health information
R13	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.

R14 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.

R15 Identifies the health insurance card and distinguishes each of its sections.

R16 Distinguish the different parts and composition of a hospital's Admission Service.

R17 Fluently manage the structure and construction of medical terminology.

R18 Know the Spanish Health System and the main International Health Agencies.

R19 Distinguish the main forms of scientific communication. The parts of a scientific work. The structure of a scientific journal and a scientific article.

R20 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.

R21 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 system).

Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	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				x
CB2	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				x
CB3	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				x
CB4	Students can pass on information, ideas, problems and solutions to both a specialized and non-specialized audience				x
CB5	Students have developed the learning skills needed to undertake further studies with a high degree of autonomy				x

GENERAL		Weighting			
		1	2	3	4
CG1	Recognizing the essential elements of the medical profession, including ethical principles, legal responsibilities, and patient-centered professional exercise				x
CG2	Understanding the importance of such principles for the benefit of the patient, society and profession, with special attention to professional secrecy			x	

CG5	Recognizing the limitations themselves and the need to maintain and update their professional competence, giving special importance to the autonomous learning of new knowledge and techniques and to the motivation for quality		x		
CG28	Obtaining and using epidemiological data and assess trends and risks for health decision-making		x		
CG29	Knowing national and international health organizations and the environments and conditions of different health systems			x	
CG30	Basic knowledge of the National Health System and health legislation				x
CG31	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				x
CG32	Knowing how to use information and communication technologies in clinical, therapeutic, preventive and research activities			x	
CG33	Maintaining and using records with patient information for further analysis, preserving data confidentiality				x
CG34	Having, in professional activity, a critical, creative point of view, with constructive and research-oriented skepticism				x
CG35	Understanding the importance and limitations of scientific thinking in the study, prevention and management of diseases				x
CG36	Being able to formulate hypotheses, critically collect and evaluate information for problem solving, following the scientific method			x	
CG37	Acquiring basic training for research activity				x

SPECIFIC		Weighting			
		1	2	3	4
CE19	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			x	
CE22	Knowing the history of health and disease				x
CE24	Operating a personal computer with autonomy. Using biomedical information search and retrieval systems				x
CE25	Knowing and managing clinical documentation procedures				x

CE26	Understanding and critically interpreting scientific texts			x	
CE27	Knowing the principles of the scientific method, biomedical research and clinical trial			x	
CE28	Knowing the principles of telemedicine		x		
CE29	Knowing and managing the principles of medicine based on (best) evidence			x	

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Analytical and synthesis capacity				x
CT2	Planification and organization capacity			x	
CT3	Oral and written communication in mother language				x
CT4	Foreign language knowledge		x		
CT5	Informatics knowledge			x	
CT6	Manage information capacity				x
CT7	Solving problems			x	
CT9	Team work				x
CT12	Interpersonal relationship skills			x	
CT14	Critical reasoning				x
CT15	Ethical commitment				x
CT17	New situations' adaptation				x
CT22	Motivation for quality		x		

CT31	Show sensitivity to personal, environmental and institutional injustices			x
CT33	Knowing how to get relevant information from personal interviews		x	

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
	0,00%	Open questions
R1, R2, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	65,00%	Tests
R2, R3, R4	15,00%	Presentations
R1, R2, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	15,00%	Work
R1, R2, R5, R6, R11, R13, R14, R17, R18	5,00%	Participation in class

Observations

Each professor of this subject, will evaluate the contents taught by him, giving them a proportional assessment according to the ECTS. The final grade will be determined by the sum of all the parts. In case of not approving a sitting examination, the parts approved will not be saved for the next sitting examination. The evaluation criteria for the second sitting examination of the course will be the same as those of the first one. The Register of direct questions to the student consists of evaluating the participation of the student when asked directly by the professor and the resolution of questions during the classes. In order to do so, an equitable and objective control will be carried out by the teacher. During the course, questions can be asked to the whole group or individually.
Honors requirements:
Best students, who must have obtained a minimum grade of 9, may be awarded the honorary registration. If circumstances require so, a special test may be established to determine those students deserving of the honorary registration, considering the limitation of 5% of the registered students. In the second and subsequent examination sittings, only the remaining honorary registrations may be granted.
DEVELOPMENT of the subject in second and subsequent enrolments:
There will be a specific group for students who are not first-time enrollees if they exceed the classroom occupancy limit and a teacher in charge of that group.

The teacher in charge of this group will conduct 6 follow-up and tutoring sessions of 2 hours each. The competences to acquire the skills and abilities of the subject will be done through all the practices foreseen for the subject. In each session the subject will be developed so that the work of the competences that each student needs to be able to pass the subject will be reinforced.
The content and skills evaluation will be carried out in the exam set in the official calendar for this subject.

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.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

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 LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theory class M4, M5, M9	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	37,00	1,48
Seminar and group practices M2, M7, M8, M9, M17, M19	R1, R2, R3, R5, R6, R7, R8, R9, R11, R12, R13, R16, R18, R19, R20, R21	15,00	0,60
Practices in small groups M2, M8, M9, M16, M17, M19	R1, R2, R3, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	4,00	0,16
Tutoring M11	R1, R2, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	2,00	0,08
Evaluation M2, M7, M12, M13, M14	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	2,00	0,08
TOTAL		**60,00**	**2,40**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
No attendance M2, M8, M9, M13, M14, M15, M16, M17, M19	R1, R2, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	90,00	3,60
TOTAL		**90,00**	**3,60**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
BLOCK I: HISTORY OF MEDICINE	The origins of the disease. Disease and culture. Medical systems. Basic medical sciences. Pathology and the clinic. Therapeutics. Medical care and health promotion. Disease prevention. The great figures of classical medicine. Other great figures of medicine. The origin of hospitals.
BLOCK II: MEDICAL TERMINOLOGY.	Origin of medical terminology. Classical terms and Greek-Latin neologisms. Changes in meaning. Eponyms. Nomenclatures. Terminology in medical documentation. Spanish as a medical language.
BLOCK III: THE CURRENT HEALTH SYSTEM IN SPAIN AND THE VALENCIAN COMMUNITY	General Health Law. National Health System. Study of automies' competences. Health systems, management and quality control. Health indicators. International Coding of Diseases (ICD).
BLOCK IV: MEDICAL DOCUMENTATION.	Information and communication in medicine: information needs. Internet: Internet applications in medical learning and practice. Scientific information in medicine: primary and secondary documents. Information for clinical decision-making: evidence-based medicine. Main healthcare documents: the clinical history. Sources of health information.
BLOCK V: SEMINARS	Development of seminars related to the contents of the subject, based on problems with application of knowledge in medical documentation.

Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK I: HISTORY OF MEDICINE	15,00	30,00
BLOCK II: MEDICAL TERMINOLOGY.	2,00	4,00
BLOCK III: THE CURRENT HEALTH SYSTEM IN SPAIN AND THE VALENCIAN COMMUNITY	6,00	12,00
BLOCK IV: MEDICAL DOCUMENTATION.	5,00	10,00
BLOCK V: SEMINARS	2,00	4,00

References

·Sánchez González, MA (2022). Historia de la medicina y humanidades médicas (3ª edición). Barcelona 2020, 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.

·Vélez García. Terminología aplicada a las ciencias de la salud. Barcelona 2017, Elsevier Masson.

·Martínez-Almagro Andreo, A.; et al. (2007). Terminología, método científico y estadística aplicada en Ciencias de la Salud. Murcia, Morphos Ediciones.

·Aleixandre-Benavent R, González Alcaide G, González de Dios J, Alonso Arroyo A. Fuentes de información bibliográfica (I). Fundamentos para la realización de búsquedas bibliográficas. Acta Pediátrica 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: Universitat Autònoma de Barcelona; 2013.

Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

[X] Microsoft Teams

[ ] Kaltura

Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

X	Microsoft Teams
	Kaltura

Explanation about the practical sessions:

2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

[X] The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

[ ] The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: