



IDENTIFYING DATA

(*)Estatística: Estatística

Subject	(*)Estatística: Estatística			
Code	V52G140V01106			
Study programme	(*)Grao en Enfermaría			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Basic education	1st	2nd
Teaching language	Spanish			
Department				
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General description	The Statistical plays a fundamental paper in the development of the Science, being one of the base of the scientific method in the his empirical and interpretative phases. The varied nature of the investigation in the Sciences of the Health does that the application of the scientific method and the statistical technicians result indispensable in this field. The sanitary professionals, and in particular the personnel of infirmary, handle usually a big quantity of data (measurements of laboratory, anthropometric, reports on patients, clinical essays, etc.) That require an appropriate treatment so that they result really informative and of utility. In this stage, the statistical methods allow summarizer, analyse and evaluate this information facilitating and supporting scientifically takes it of decisions.			

Competencies

Code	
A8	(*)Aplicar as tecnoloxías e sistemas de información e comunicación dos coidados de saúde.
A26	(*)Analizar os datos estatísticos referidos a estudos da poboación, identificando as posibles causas de problemas de saúde.

Learning aims

Expected results from this subject	Training and Learning Results
Apply the technologies and systems of information and communication of the taken care of health.	A8
Capacity to inform, register, document and derive cares employing felicitous technologies.	A8
Capacity to do cost the clinical judgements to ensure that they achieve the standards of quality and that the practice is based in the evidence.	A8 A26
Knowledge *relevante and capacity to apply principles of investigation and information.	A26
Analyze the statistical data referred to studies of the population, identifying the possible causes of problems of health.	A26

Contents

Topic	
Statistics.	Introduction to the statistical Descriptive Statistics Statistical Inference
Descriptive statistics.	Statistics and scientific Method in Sciences of the Health. Populations, Samples and Variable. Statistical, graphic and descriptive studies.
Statistical inference.	Probability. Diagnostics Proofs. Inference of parameters. Contrasts of hypothesis. Proofs of normality. Intervals of confidence. Probabilistic studies.

Technologies of the information and of the communication	Nets of computation Technologies stop the treatment of the information The technologies of the information and of the communication in sciences of the Health Security and privacy of the information in sciences of health. I handle of clinical data.
Nets of computation.	Internet and technologies associated. Services and available tools in the Internet.
Technologies stop the treatment of the information.	The tools computings. The solutions of the applications based in the web. Nature of the electronic information. Register, organisation, treatment and exchange of data employing solutions *basadas in the computer. Elaborate, publish and share documents by means of tools On-line available in the Internet.
The technologies of the information and of the communication in sciences of the health.	The bases of the technologies of the information and of the communication. The characteristic elements and in the electronic health service (and-Health). The different technologies, services and existing tools within the scope of the sanitary system.
Security and privacy of the information in sciences of the health. I handle of clinical data.	I handle of the clinical data. The security and privacy of the information. Importance of the security in the Internet.

Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	2	2	4
Master Session	36	36	72
Case studies / analysis of situations	15	15	30
Autonomous troubleshooting and / or exercises	0	5	5
Group tutoring	8	8	16
Autonomous practices through ICT	10	9	19
Short answer tests	2	0	2
Practical tests, real task execution and / or simulated.	2	0	2

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Introductory activities	Activities to take contact and gather information envelope the students and to present the subject.
Master Session	Exhibition of the contained of the subject teaching pole.
Case studies / analysis of situations	Analysis of a problem the real event with the aim to know it, interpreted, resolved, generate hypothesis, contrast data, complete knowledges, diagnosed and trained in alternative procedures of solution.
Autonomous troubleshooting and / or exercises	Description: autonomous Practices. Apply Realization of practical activities varied related with the contained of the subject. Practical exercises through the TIC. Simulación through the TIC. Autonomous work of the Objective students: Purchase the knowledges, aptitudes and attitudes collected in the contained of the subject by means of the interaction with the systems and resources informatics available. Employ programs and resources informatics so much of the professional field how generic.
Group tutoring	Glimpsed that the student keeps with the teaching staff of the subject for development of activities of the subject and of the process of learning.
Autonomous practices through ICT	Description: Practices guided. Realization of practical activities varied related with the contained of the subject. Practical exercises through the TIC. Simulación through the TIC. Objective: Purchase the knowledges, aptitudes and attitudes collected in the contained of the subject by means of the interaction with the systems and resources informatics available. Employ programs and resources informatics so much of the professional field how generic.

Personalized attention

Methodologies	Description
Autonomous practices through ICT	1. Customized meetings, where the student can assist of individual way or in group to formulate the questions/doubts that present . 2. Email. 3. Forums of debate of faitic.
Autonomous troubleshooting and / or exercises	1. Customized meetings, where the student can assist of individual way or in group to formulate the questions/doubts that present . 2. Email. 3. Forums of debate of faitic.

Group tutoring	1. Customized meetings, where the student can assist of individual way or in group to formulate the questions/doubts that present . 2. Email. 3. Forums of debate of faitic.
Case studies / analysis of situations	1. Customized meetings, where the student can assist of individual way or in group to formulate the questions/doubts that present . 2. Email. 3. Forums of debate of faitic.
Tests	Description
Practical tests, real task execution and / or simulated.	1. Customized meetings, where the student can assist of individual way or in group to formulate the questions/doubts that present . 2. Email. 3. Forums of debate of faitic.

Assessment		
	Description	Qualification
Autonomous troubleshooting and / or exercises	Realize all the autonomous practices proposals, presenting them in the time and form established and be qualified, all they, how apt. Assist and take part in the class activities showing positive attitude in all moment.	25
Autonomous practices through ICT	Realize all the practices guided proposals, presenting them in the time and form established and be qualified, all they, how apt. Assist and take part in the class activities showing positive attitude in all moment.	17
Short answer tests	Proof that includes questions closed of alternative answer combined with questions of short answer related with the contained of the subject. The students owes to select an answer of go in a number limited of possibilities and answer in brief to the questions formulated.	33
Practical tests, real task execution and / or simulated.	Proof that includes activities, problems or cases to resolve similar to the formulated in the practical proposals during it study. The students owes to answer to the activity proposed, reflecting of practical way the knowledges purchased of the subject. The overrun of this proof will be able to compensate the insufficient qualification of the continuous evaluation of the activities of practical character.	25

Other comments on the Evaluation

- Proofs of short answer. Proof that includes questions closed of alternative answer combined with questions of short answer related with the contained of the subject. The students owes to select an answer of go in a number limited of possibilities and answer in brief to the questions formulated.
- Practical proofs, of execution. Proofs of execution of real tasks and/or simulated. Proof that includes activities, problems or cases to resolve similar to the presented in the practical proposals during the course. The students owes to answer to the activity proposed, writing of practical way the knowledges purchased of the same.

Sources of information

J. Sentís, H. Pardell; E. Cobo; J. Canela, **Bioestadística**, 2003,
 Gail F. Dawson, MD, MS, Faaep, **Interpretación fácil de la Bioestadística**, 2009,
 Argimon Pallas, José María y Jiménez Villa, Josep, **Métodos de investigación clínica y epidemiológica**, 2004,

Recommendations

Subjects that continue the syllabus

(*)Metodoloxía da investigación/V52G140V01401
 (*)Traballo de Fin de Grao/V52G140V01407

Subjects that are recommended to be taken simultaneously

(*)Enfermaría comunitaria I/V52G140V01104