IDENTIFYING DATA

Statistics: Statistics

Subject	Statistics: Statistics
Code	V53G140V01106
Study programme	(*)Grao en Enfermaría

Descriptors	ECTS Credits		Choose	Year	Quadmester
	6		Basic education	1st	2nd

Teaching language	Spanish
Department	
Coordinator	Magdalena López, Pilar
Lecturers	Magdalena López, Pilar
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General description	Bioestatística And Technologies of the Information and Communication

Competencies

Code	
A1	Students have demonstrated knowledge and understanding in an area of study that comes from the basis of the general secondary education, and it is often found at a level that, if well supported on advanced text books, it also includes some aspects that involve knowledge from the forefront of their field of study.
A2	Students know how to apply their knowledge to their work or vocation in a professional manner and have the skills that are often demonstrated through the preparation and defense of arguments and the resolution of problems within their area of study.
A3	Students have the capacity to collect and interpret relevant data (normally within their area of study) to make judgments that include a reflection on relevant topics of social, scientific or ethical nature.
A4	Students will be able to convey information, ideas, problems and solutions to specialist and non-specialist audiences
A5	Students have developed those skills needed to undertake further studies with a high degree of autonomy.
B6	To apply the nursing interventions on scientific evidence and on the available resources.
B16	To be able to use health information systems.
C8	To apply the technologies and information systems and communication of health care
D1	Analysis and synthesis ability
D2	Organization and planning ability
D3	Information management ability.
D4	Problem solving and decision making.
D7	Critical reasoning.
D9	Adaptation to new situations. Initiative and entrepreneurial spirit. Creativity
D11	Sensitivity towards environmental issues.

Learning outcomes

Expected results from this subject	Training and Learning Results		
Know identify, pose and resolve a statistical problem.	A1 A5		D1 D4
Be able to purchase elements of critical trial to value his utilisation in wool resolution of problems and taking of decisions in Sciences of the Health.	A2 A3 A4	B6	D2 D7 D9 D11
Be able to apply the technologies and systems of information and communication of the cares of health (TIC).	B16	C8	D3

Contents

Topic	
Statistical module	Introduction to the statistical methods in sciences of the health.
	Descriptive analysis of a group of data: distributions of frequencies.
	Statistical series of of the characters. Regression and linear correlation.
	Basic notions of probability.
	Random variables. Discreet case. Continuous case.
	Models of distributions.
	Introduction to the technicians of statistical inference.
	Approach of the problems of punctual estimate and estimate by regions of confidence.
	Contrasts of statistical hypotheses.
Module TIC	Foundations of wools Technologies of the information and the communication in sciences of the health.
	Use and handle of the technologies for him treatment of the information.

Planning

	Class hours	Hours outside the classroom	Total hours
Master Session	39	48	87
Seminars	6	0	6
Autonomous troubleshooting and / or exercises	0	45	45
Group tutoring	12	0	12

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

Methodologies

	Description
Master Session	Exhibition by part of the professor of the contents on the matter object of study, theoretical bases and/or guidelines of a work, exercise or project to develop by the student.
Seminars	Activities focused to the work on a specific subject, that allow to deepen or complement the contents of the matter. Can employ as I complement of the theoretical classes.
Autonomous troubleshooting and / or exercises	Activity in which they formulate problem and/or exercises related with the asignatura. The student has to develop the suitable or correct solutions by means of the ejercitación of routines, the application of formulas or algorithms, the application of procedures of transformation of the available information and the interpretation of the results. It is used to use as I complement of the lesson magistral.
Group tutoring	You interview that the student is supported by the profesorado of the asignatura for advice/develop of activities of the asignatura and of the process of learning.

Personalized attention

Methodologies	Description
Seminars	1. You interview that the student is supported by the profesorado of the asignatura for advice/develop of activities of the asignatura and of the process of learning. 2. Via email 3. Forums of debate
Group tutoring	1. You interview that the student is supported by the profesorado of the asignatura for advice/develop of activities of the asignatura and of the process of learning. 2. Via email 3. Forums of debate

Assessment

	Description	Qualification	Training and Learning Results
Seminars	Activities focused to the work on a specific subject, that allow to deepen or complement the contents of the matter. Can employ as I complement of the theoretical classes.	40	A4 B6 C8 D9 A5 B16 D11

| Autonomous troubleshooting and / or exercises | Proof in which the student has to solve a series of problems and/or exercises in a time/condition established/ace by the professor. Of this way, the student has to apply the knowledges that has purchased. The application of this technical can face-to-face and no face-to-face. Can use different tools to apply this technician as, for example, chat, post, forum, audioconferencia, videoconference, etc. | 60 | A1 A2 A3 | D1 D2 D3 D4 D7 |

Other comments on the Evaluation
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Sources of information
M.A.Martínez, A.Sánchez, F.J.Faulín, **Bioestadística Amigable**, Ed. Díaz de Santos,

J. Sentís, H. Pardell, E. Cobo, J. Canela, **Bioestadística**, Ed. Elsevier Masson,

Gail F. Dawson, MD, MS, Faaep, **Interpretación fácil de la Bioestadística**, Ed. Elsevier Saunders,

Recommendations
Subjects that continue the syllabus
Degree thesis/V53G140V01407

Subjects that are recommended to be taken simultaneously
Clinical practice I/V53G140V01208

Clinical practice II/V53G140V01303

Clinical practice III/V53G140V01306

Clinical practice IV/V53G140V01405

Clinical practice V/V53G140V01406