



## 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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Web	<a href="http://www.cepovisa.com">http://www.cepovisa.com</a>			
General description	Bioestadística 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
C26	To analyze statistical data related to population studies, identifying possible causes of health problems.
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			
New	A1 A5	B6	C26	D1 D2 D7
New	A3 A4			D9 D11
Be able to apply the technologies and systems of information and communication of the cares of health (TIC).	A2	B16	C8	D3 D4

## Contents

Topic	
Statistical module	<p>Introduction to the statistical methods in sciences of the health.</p> <p>Descriptive analysis of a group of data: distributions of frequencies.</p> <p>Statistical series of the characters. Regression and linear correlation.</p> <p>Basic notions of probability.</p> <p>Random variables. Discrete case. Continuous case.</p> <p>Models of distributions.</p> <p>Introduction to the techniques of statistical inference.</p> <p>Approach of the problems of point estimate and estimate by regions of confidence.</p> <p>Contrasts of statistical hypotheses.</p>
Module TIC	<p>Foundations of Information Technologies of the information and the communication in sciences of the health.</p> <p>Use and handling of the technologies for the treatment of the information.</p>

Planning			
	Class hours	Hours outside the classroom	Total hours
Master Session	30	48	78
Seminars	5	0	5
Autonomous troubleshooting and / or exercises	10	45	55
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 a 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 a 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.	30	A4	B6	C8	D9 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.	70	A2 A3	D2 D3 D7
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#### Other comments on the Evaluation

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#### Sources of information

##### Basic Bibliography

##### Complementary Bibliography

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,

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#### Recommendations

##### Subjects that continue the syllabus

Final Year Dissertation/V53G140V01407

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##### Subjects that are recommended to be taken simultaneously

Clinical practice 1/V53G140V01208

Clinical practice 2/V53G140V01303

Clinical practice 3/V53G140V01306

Clinical practice 4/V53G140V01405

Clinical practice 5/V53G140V01406

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