



1. General information

Course: HEALTH SCIENCES STATISTICS

Type: BASIC

Degree: 387 - UNDERGRADUATE DEGREE PROGRAMME IN NURSING (TO)

Center: 109 - FACULTAD DE FISIOTERAPIA Y ENFERMERÍA

Year: 1

Main language: Spanish

Use of additional
languages:

Web site:

Code: 15304

ECTS credits: 6

Academic year: 2023-24

Group(s): 41

Duration: C2

Second language:

English Friendly: Y

Bilingual: N

Lecturer: JUAN CARLOS DOMÍNGUEZ GUTIÉRREZ - Group(s): 41

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	MATEMÁTICAS		JuanCarlos.Dominguez@uclm.es	

Lecturer: RAUL MARTIN MARTIN - Group(s): 41

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Lecturer: CRISTINA PALOMINO ROSADO - Group(s): 41

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	MATEMÁTICAS		Cristina.Palomino@uclm.es	

2. Pre-Requisites

Not established

3. Justification in the curriculum, relation to other subjects and to the profession

Not established

4. Degree competences achieved in this course

Course competences

Code	Description
A16	To describe the primary health care level and the activities to be developed in there to provide comprehensive nursing care to the individual, the family and the community. To understand the function and activities and cooperative attitude that the professional has to develop in the Primary Health Care team. To promote the participation of people, family and groups in their health-disease process. To identify the factors related to health and environmental problems, to assist people in situations of health and illness as members of a community. To identify and analyze the influence of internal and external factors on the individuals' and groups' health. To apply the necessary methods and procedures in their work area to identify the most relevant health problems in a community.
B02	To master the Information and Communication Technologies (ICT).
B03	To demonstrate a correct oral and written communication.
C01	Learning to learn.
C03	To apply critical, logical and creative thinking, demonstrating innovation skills.
C04	To work autonomously with responsibility and initiative.
C05	To work in a team in a collaborative way and shared responsibility.
C06	To communicate information, ideas, problems and solutions clearly and effectively in a specific public or technical field.

5. Objectives or Learning Outcomes

Course learning outcomes

Description
Understanding of the scientific method.
Interpretation of hypothesis tests.
Accept responsibility of their own learning-process and professional development, using assessment as a means of reflecting and improving their performance.
Demonstrate skills in the use of information and communication technologies.
Determination of the dependence and independence of qualitative and quantitative variables.
Application of the above concepts in the different proposed studies.
Knowledge of the principles of health research.
Estimation of the test statistics, parameters and probability.
Identification and resolution of a statistical issue: variables, data, population, sample, tables and graphics.
Work and communicate effectively with all team members.
Use of professional language that encourages communication in the collaborative work group both in oral and/or written form.

6. Units / Contents

Unit 1:

Unit 2:
Unit 3:
Unit 4:
Unit 5:
Unit 6:
Unit 7:

7. Activities, Units/Modules and Methodology							
Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	A16 B03 C03	1.2	30	N	-	
Workshops or seminars [ON-SITE]	Problem solving and exercises	A16 B02 B03 C01 C03 C04 C05 C06	1.04	26	Y	Y	
Writing of reports or projects [OFF-SITE]	Self-study	A16 B02 B03 C01 C03 C04 C05 C06	0.8	20	Y	N	
Study and Exam Preparation [OFF-SITE]	Self-study	A16 B02 B03 C01 C03 C04 C05 C06	2.8	70	N	-	
Final test [ON-SITE]	Assessment tests	A16 B02 B03 C03 C06	0.16	4	Y	Y	
Total:			6	150			
Total credits of in-class work: 2.4			Total class time hours: 60				
Total credits of out of class work: 3.6			Total hours of out of class work: 90				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Assessment of activities done in the computer labs	20.00%	0.00%	
Final test	70.00%	100.00%	
Assessment of problem solving and/or case studies	10.00%	0.00%	
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
Hours	hours
Final test [PRESENCIAL][Assessment tests]	3
Unit 1 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	4
Writing of reports or projects [AUTÓNOMA][Self-study]	2
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 29-01-2024	End date: 09-02-2024
Unit 2 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	8
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	4
Writing of reports or projects [AUTÓNOMA][Self-study]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 05-02-2024	End date: 23-02-2024
Unit 3 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	8
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	4
Writing of reports or projects [AUTÓNOMA][Self-study]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 19-02-2024	End date: 08-03-2024
Unit 4 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	5
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	2

Writing of reports or projects [AUTÓNOMA][Self-study]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 11-03-2024	End date: 22-03-2024
Unit 5 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	5
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	2
Writing of reports or projects [AUTÓNOMA][Self-study]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 18-03-2024	End date: 19-04-2024
Unit 6 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	4
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	2
Writing of reports or projects [AUTÓNOMA][Self-study]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 22-04-2024	End date: 26-04-2024
Unit 7 (de 7):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	6
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	3
Writing of reports or projects [AUTÓNOMA][Self-study]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	10
Group 41:	
Initial date: 29-04-2024	End date: 10-05-2024
Global activity	
Activities	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	40
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	17
Writing of reports or projects [AUTÓNOMA][Self-study]	20
Study and Exam Preparation [AUTÓNOMA][Self-study]	70
Final test [PRESENCIAL][Assessment tests]	3
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Cobo Valerí, E.	Bioestadística para no estadísticos: bases para interpretar	Elsevier Masson	Barcelona	978-84-458-1782-7	2010	
Pardo Merino, Antonio	Análisis de datos en ciencias sociales y de la salud	Pearson Education	Madrid	978-84-975664-7-6	2014	
Martínez González A, Sánchez-Villegas A, Toledo Atucha EA, Faulín Fajardo J	Bioestadística amigable /	Elsevier,	Barcelona	978-84-9022-500-4	2014	
Martín Andrés, A.	Bioestadística para las ciencias de la salud (+)	Norma-Capitel	Madrid	84-8451-018-2	2004	
Pérez López, César (1955-)	Técnicas de análisis de datos con SPSS 15 /	Pearson Educacion,	Madrid	978-84-8322-601-8	2009	
Álvarez Cáceres, Rafael	Estadística aplicada a las ciencias de la salud	Díaz de Santos	Madrid	978-84-7978-823-0	2007	