# UNIVERSIDAD DE CASTILLA - LA MANCHA
## GUÍA DOCENTE

## 1. General information

**Course:** METHODS AND INVESTIGATION IN HEALTH
**Type:** ELECTIVE
**Degree:** 389 - UNDERGRADUATE DEGREE PROGRAMME IN NURSING (CU)
**Center:** 302 - FACULTY OF NURSING OF CUENCA
**Year:** 3
**Main language:** Spanish
**Use of additional languages:**
**Web site:**

**Code:** 15343
**ECTS credits:** 6
**Academic year:** 2023-24
**Group(s):** 30  31
**Duration:** C2
**Second language:** English
**English Friendly:** N
**Bilingual:** Y

**Lecturer: BEATRIZ CERVERA MONTEAGUDO** - Group(s): **30  31**

| Building/Office | Department | Phone number | Email | Office hours |
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**Lecturer: VICENTE J.ANASTASIO MARTINEZ VIZCAINO** - Group(s): **31**

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**Lecturer: BLANCA NOTARIO PACHECO** - Group(s): **30**

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## 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 |
|---|---|
| B01 | To have proficiency in a second foreign language, preferably English, at the level of the Common European Framework of Reference for Languages. |
| B02 | To master the Information and Communication Technologies (ICT). |
| B03 | To demonstrate a correct oral and written communication. |
| B04 | To demonstrate ethical commitment and professional deontology. |
| C01 | Learning to learn. |
| C02 | To solve complex problems effectively in the nursing field. |
| C03 | To apply critical, logical and creative thinking, demonstrating innovation skills. |
| 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

Know how to design a research project.

Knowledge of data analysis methods.

Knowledge of information search systems.

Knowledge of the scientific method.

Knowledge and assessment of hypothesis tests.

### Additional outcomes

## 6. Units / Contents

**Unit 1:**
**Unit 2:**
**Unit 3:**
**Unit 4:**
    **Unit 4.1**
    **Unit 4.2**
    **Unit 4.3**
    **Unit 4.4**

**Unit 4.5**
**Unit 4.6**
**Unit 5:**
**Unit 6:**
**Unit 7:**
**Unit 8:**
**Unit 9**
**Unit 10:**
**Unit 11:**
**Unit 12:**
**Unit 13:**

## 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 | B01 B02 C01 C03 C06 | 1.76 | 44 | N | - | |
| Study and Exam Preparation [OFF-SITE] | Self-study | B03 C01 C02 C03 C06 | 3.6 | 90 | N | - | |
| Workshops or seminars [ON-SITE] | Problem solving and exercises | B01 B02 B03 B04 C06 | 0.4 | 10 | Y | Y | |
| Individual tutoring sessions [ON-SITE] | Guided or supervised work | | 0.16 | 4 | Y | N | |
| Progress test [ON-SITE] | Assessment tests | B03 C01 | 0.04 | 1 | Y | N | |
| Final test [ON-SITE] | Assessment tests | B03 C01 | 0.04 | 1 | Y | N | |
| | | **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 |
|---|---|---|---|
| Final test | 50.00% | 100.00% | |
| Projects | 30.00% | 0.00% | |
| Oral presentations assessment | 10.00% | 0.00% | |
| Assessment of active participation | 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** |

| Unit 1 (de 13): | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 2 |

| Unit 2 (de 13): | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 4 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 1 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 1 |

| Unit 3 (de 13): | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 4 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 10 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 2 |
| Individual tutoring sessions [PRESENCIAL][Guided or supervised work] | 1 |

| Unit 4 (de 13): | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 6 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 20 |
| Individual tutoring sessions [PRESENCIAL][Guided or supervised work] | 1 |

| Unit 5 (de 13): | |
|---|---|
| **Activities** | **Hours** |

| Class Attendance (theory) [PRESENCIAL][Lectures] | 4 |
|---|---|

| **Unit 6 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 4 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 2 |

| **Unit 7 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 4 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 1 |

| **Unit 8 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 2 |

| **Unit 9 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 4 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 3 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 2 |

| **Unit 10 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 6 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 6 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 2 |
| Individual tutoring sessions [PRESENCIAL][Guided or supervised work] | 2 |

| **Unit 11 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 2 |

| **Unit 12 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 2 |

| **Unit 13 (de 13):** | |
|---|---|
| **Activities** | **Hours** |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 50 |
| Progress test [PRESENCIAL][Assessment tests] | 1 |
| Final test [PRESENCIAL][Assessment tests] | 1 |

| **Global activity** | |
|---|---|
| **Activities** | **hours** |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 44 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 90 |
| Workshops or seminars [PRESENCIAL][Problem solving and exercises] | 10 |
| Individual tutoring sessions [PRESENCIAL][Guided or supervised work] | 4 |
| Progress test [PRESENCIAL][Assessment tests] | 1 |
| Final test [PRESENCIAL][Assessment tests] | 1 |
| **Total horas:** | 150 |

## 10. Bibliography and Sources

| Author(s) | Title/Link | Publishing house | Citv | ISBN | Year | Description |
|---|---|---|---|---|---|---|
| J.M. Argimón Pallás y J. Jiménez Villa. | Métodos de investigación. | Mosby/Doyma. | | | | |
| M. Rebagliato, I. Ruiz, M. Arranz. | Metodología de investigación en epidemiología. | Ediciones Díaz de Santos. | | | | |
| Mark Woodward | Epidemiology: Study Design and Data Analysis, Third Edition | Chapman & Hall/CRC Texts in Statistical Science | | 9781439839706 | 2013 | |
| Pranee Liamputtong | Qualitative research methods 4th ed | Oxford | | 9780195518559 | 2012 | |
| Rovai, AP, Baker JD, Ponton MK | Social Science Research Design and Statistics: A Practitioner's Guide to Research Methods and SPSS Analysis | Watertree Press | | 0978718682 | 2014 | |
| S.B. Hulley y S.R. Cummings. | Diseño de la investigación clínica. Un enfoque epidemiológico. | Doyma. | | | | |
| A.P. Contandriopoulos y cols | Preparar un proyecto de investigación | SG Editores SA. | | | | |
| Antonio, Martín Andres y J.Luna del Castillo. | Bioestadística para la ciencias de la salud. | Capitel Editores | | 9788484510185 | 2004 | |
| Babbie, E. | Manual para la práctica de la investigación social. | Bilbao: Desclée de Brouwer. | | | 1996 | |
| Daniel, Wayne W. | Bioestadística: Bases para el análisis de las ciencias de la salud. | | | | | |

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|---|---|---|---|
| Denise F. Polit, Ph. D. | Investigación científica en ciencias de la Salud. | McGraw-Hill Interamericana. | |
| Gerrish K, Lacey A. | Investigación en enfermería. | México: Mac Graw Hill, | 2008 |