



Information about the subject

Degree: Bachelor of Science Degree in Nursing

Faculty: Faculty of Medicine and Health Sciences

Code: 1212002 **Name:** ICT

Credits: 6,00 **ECTS Year:** 3 **Semester:** 1

Module: Common basic training

Subject Matter: ICT **Type:** Elective

Field of knowledge: Ciencias de la salud

Department: Nursing

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

121PAA Carlos Climent Martínez (**Profesor responsable**)

carlos.climent@ucv.es

121PAJ David Fernández García (**Responsible Lecturer**)

david.fernandez@ucv.es

Jesus Mandingorra Gimenez

jesus.mandingorra@ucv.es

Ricardo Cerveron Lleo

ricardo.cerveron@ucv.es



Module organization

Common basic training

Subject Matter	ECTS	Subject	ECTS	Year/semester
Anatomy	6,00	Human and Functional Anatomy	6,00	1/1
Physiology	12,00	Human Physiology	6,00	1/2
		Physiopathology	6,00	2/1
Biochemistry	6,00	Clinical Biochemistry	6,00	1/1
Biostatistic	6,00	Biostatistics and Research Methodology	6,00	1/2
Psychology	6,00	Psychology of Care	6,00	1/1
Pharmacology	6,00	Pharmacology	6,00	2/1
Nutrition	6,00	Nutrition and Dietetics	6,00	2/1
ICT	6,00	ICT	6,00	3/1
English	6,00	English	6,00	1/2
Life support	6,00	Emergency Care and Life Support	6,00	4/1



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Students should be able to learn about health information systems.

- R2 That the students are capable of applying the technologies and systems of information and communication of the health care.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Students have demonstrated possession and understanding of knowledge in an area of study that is at the core of general secondary education, and is often at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.				X
CB2	Students are able to apply their knowledge to their work or vocation in a professional way and possess the skills usually demonstrated by developing and defending arguments and solving problems within their area of study.				X
CB3	Students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.				X
CB4	That students can convey information, ideas, problems and solutions to both specialized and non-specialized audiences.			X	
CB5	Students have developed those learning skills necessary to undertake further study with a high degree of autonomy.				X

GENERAL		Weighting			
		1	2	3	4
CG0	Good Public Speaking.			X	

SPECIFIC		Weighting			
		1	2	3	4
9b	To apply technologies and information systems as well as communication systems to promote the care of the health of patients.				X



TRANSVERSAL

Weighting

1 2 3 4

16 To understand the systems of information related to health.

X



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2	40,00%	Theoretical written exams
R1, R2	60,00%	Practical tests and works
	0,00%	Attendance and active participation

Observations

ASSESSMENT SYSTEM OF THE ACQUISITION OF THE COMPETENCIES

The course assessment will be carried out using the following:

- 1. 'Continuous assessment' written tests** will amount up to **40% of the total grade**
- 2. Projects and activities** will amount up to **60% of the final grade**.

The evaluation will be done according to the project structure, quality of the documentation, originality, spelling and presentation.

"Students must pass, at least with a grade higher than 40% of the total, both the section on written and theoretical tests and the section on written tests, practicals and assignments, so that the two parts can be added together. Failure to achieve this grade, the student must take the exam of the suspended parts. The approved activities will be considered in the following evaluations of the course in which they were carried out.

Exchange students:

The Erasmus / Mundus student enrolled in the subjects of the Degree in Nursing at UCV, must send the professor of the subject an email / virtual tutoring informing that they are going on an exchange.

The way to obtain the percentage of grades for said student will be as follows:

-Objective test that will represent 40% (It will be essential to obtain a minimum of 4 to add to the rest of the evaluation instruments).

-Works and tasks carried out through the UCVNet virtual Campus, which will account for 60% of the final grade, in which the transversal competences will be evaluated: 16 and the specific ones: 9, acquired by the students and evaluated by presenting the different practices that will be proposed to the student throughout the course (directed work, memory of practical cases, records, etc.). The evaluation of the work presented will be carried out taking into account the structure of the work, the quality of the documentation, the originality, spelling and presentation.

Second and successive license plates:

Students enrolled in second and / or successive enrollments must send an email to the teacher of the subject. The way to obtain the percentage of grades for said student will be the same as that for



first-enrollment students.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Exposition of contents by the teacher, analysis of competencies, explanation and demonstration of abilities, skills and knowledge in the classroom.
- M2 Group work sessions supervised by the teacher. Case study, diagnostic analysis, problems, field study, computer room, visits, data search, libraries, network, Internet, etc. Significant construction of knowledge through student interaction and activity.
- M3 Supervised monographic sessions with shared participation.
- M4 Application of interdisciplinary knowledge.
- M5 Activities developed in spaces and with specialized equipment.
- M6 Personalized attention and in small groups. Period of instruction and/or orientation carried out by a tutor with the objective of reviewing and discussing the materials and topics presented in the classes, seminars, readings, completion of assignments, etc.
- M7 Set of oral and/or written tests used in the initial, formative or summative evaluation of the student.



- M8 Student study: Individual preparation of readings, essays, problem solving, seminars, papers, memoirs, etc. To expose or deliver in the theoretical classes, practical classes and/or small group tutorials. Work done on the university platform (www.plataforma.ucv.es).
- M9 Group preparation of readings, essays, problem solving, papers, memoirs, etc. To present or deliver in the theoretical classes, practical classes, seminars and/or small group tutorials. Work done on the university platform (www.plataforma.ucv.es).

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Face-to-face class M1	R1, R2	15,00	0,60
Practice Classes M2	R1, R2	30,00	1,20
Seminar M3	R1, R2	2,00	0,08
Tutorial M6	R1, R2	10,00	0,40
Evaluation M7	R1, R2	3,00	0,12
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Student's self-employment M8	R1, R2	45,00	1,80
Group work M9	R1, R2	45,00	1,80
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block

Contents

Unit I. New Technologies in the Sanitary system

1. New Technologies in today's Healthcare



Unit II. Information Management on the Internet to transform it in knowledge

2. Word Processor. Basic format of a document

- Font format and Paragraph
- Margins, size and page orientation

3. Word Processor. Advanced formats

- Tabs
- Tables
- Insertion of images and symbols
- Styles

4. Word Processor. Advanced format documents

- Sections
- Headings and footnotes
- Index and content tables
- Bibliography
- Footnotes

5. Spreadsheets. Introduction to Spreadsheets

- Introducing information on the Spreadsheet
- Formulation and functions
- Absolute and relative references
- Most frequent error messages

6. Spreadsheets. Excel graphics

- Creating a new graphic
- Changing the type of graphic
- Adding a graphic title, data labels and legends

7. Spreadsheets. Database treatment

- Ordenaring a database
- Searching and replacing
- Extracting reagisters with filter
- Subtotals
- Dynamic tables

8. Reference Managers:

- Mendeley and Zotero

9. Nursing Information systems

- Nursing activity registration systems.

10. Using the tool SPSS

- Introduction to the working environment
- Types of variables
- Transcript of a survey
- Data Normalization
- Normality Tests
- Parametric and Nonparametric tests
 - Chi-square
 - T Student-Kolgomorov Smirnov



·Anova-Kruskal Wallis

Unit III. The audiovisual and computer resources in the health teaching-learning process

11. Social Media

- Mass Society and the mass media
- Press, Radio, TV, Cinema, Advertising

12. Audiovisual Technology

- Sound
- Sound recording and reproduction
- Educational possibilities of sound. Podcast

13. Social Networks in Nursing

- Internet nursing image
- Facebook, Twitter, Blogs, Instagram,...

14. Audiovisual tools for Nursing

- Video: Vimeo, Youtube, Powtoon
- Image: SlideShare, Canva, Piktochart

Unit IV. The image: Language and Codes. Possibilities Didactics of the image.

15. Static Image and not projected

- Graphic Murals as a teaching material
- Comic, Photography, Poster

16. Projected Image

- Slideshow
- The moving image
- Cinema, TV, Video, DVD
- Digital Technology

Unit V. Electronic Health record

17. Electronic Health record



Temporary organization of learning:

Block of content	Number of sessions	Hours
Unit I. New Technologies in the Sanitary system	1,00	2,00
Unit II. Information Management on the Internet to transform it in knowledge	12,00	24,00
Unit III. The audiovisual and computer resources in the health teaching-learning process	14,00	28,00
Unit IV. The image: Language and Codes. Possibilities Didactics of the image.	2,00	4,00
Unit V. Electronic Health record	1,00	2,00

References

BASIC BIBLIOGRAPHY

GUIA DE CAMPO WORD 2010. Pascual González Francisco. Editorial RA-MA
Excel 2010. Avanzado. Juan Antonio Gómez Gutierrez. Editorial RA-MA
Blogger. Edición 2013. Guías prácticas. Víctor Alós Yuste. ANAYA
PRÁCTICAS DE ESTADÍSTICA BÁSICA CON SPSS. Germán Martín González. Editorial UCV

COMPLEMENTARY BIBLIOGRAPHY

Classnotes and web links on the ucv.net course platform, introduced by the lecturer.
WordPress. April Hodge Silver, Hasin Hayder. ANAYA MULTIMEDIA
Microsoft Ecel 2010. Avanzado. Guías prácticas. ANAYA MULTIMEDIA