COURSE DATA

DATA SUBJECT

Code: 33334
Name: Information management in psychology
Cycle: Undergraduate Studies
ECTS Credits: 4.5
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1319 - Degree in Psychology	Facultat de Psicologia i Logopèdia	4	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1319 - Degree in Psychology	Information management in psychology	ELECTIVES

COORDINATION

BADENES RIBERA LAURA

SUMMARY

This subject offers an introduction to the information and communication technologies, mainly practical and applied to the field of psychology.

In the development of the subject, the main applications of network/cloud information management are being made known through practical activities where these applications will be used and assessed in several fields of the Professional Psychology.

Once the subject will be taken, one will have the practical knowledge needed for an appropriate and critical use of the main applications of the network/cloud and their use for the professional performance of psychology.

This subject takes into account the Sustainable Development Goals, especially number 3: "Health and well-being", number 4: "Quality education", number 5: "Gender equality", and number 10: "Reduced inequalities".

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

COMPETENCES / LEARNING OUTCOMES

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Be able to apply and adapt information and data management tools and systems to various fields of the professional practice of psychology.

Be able to understand the operation of the main computer and Internet applications, and to critically evaluate their applicability and effectiveness for the professional practice of psychology.

Know and comply with professional ethics of Psychology.

Understand the basic aspects of ICT, the logic of programming and questioning languages, as well as fundamental data structures, mark systems and database principles.

DESCRIPTION OF CONTENTS

1. INTRODUCTION TO THE BASIC ASPECTS OF THE INFORMATION AND OF THE ICTS

- Connections between science and psychological application and computer science and the ICTs.
- Theory and codification of the information.
- Structures and types of data.
- Programming and application languages: flow charts, operators, basic functions and structures of programming.
- Introduction to the information processing systems: structure and types of computer systems and of operating systems.
- Networks and communication systems: levels of communication, types of networks and network services (FTP, email)
- Internet: mark-up languages, web, and applications in the cloud.
- Basic aspects on privacy, open access and copyright (copyright, copyleft y creative commons).

2. DATA MANAGEMENT SYSTEMS: THE DATABASES AND THEIR APPLICATIONS FOR THE PROFESSIONAL PSYCHOLOGY

- Composite data structures and file structures.
- Types of databases.
- Table data management systems
- Introduction to the management of relational tables.
- Logic bases of the interrogation languages.

- Information search systems: types and use.
- Content aggregators and organizers.

3. INSTRUMENTS AND INTERNET MANAGEMENT SYSTEMS FOR THE GROUP INTERCOMMUNICATION AND THEIR APPLICATIONS FOR THE PROFESSIONAL PSYCHOLOGY

- Characteristics, use and functionalities of the individual and group intercommunication systems.
- Digital identification and identity.
- User management and access privileges
- Development of a profile in a professional social network
- Participation in professional discussion forums.

4. INSTRUMENTS AND INTERNET MANAGEMENT SYSTEMS FOR THE COLLABORATIVE WORK AND THEIR APPLICATIONS FOR THE PROFESSIONAL PSYCHOLOGY

- Strategies and systems for the sharing of the information in the network/cloud.
- Office technology applications in the network/cloud.
- Network/cloud applications in professional fields of Psychology
- Design of a system for online survey.

5. INSTRUMENTS AND INTERNET CONTENT AND INFORMATION MANAGEMENT SYSTEMS AND THEIR APPLICATIONS FOR THE PROFESSIONAL PSYCHOLOGY

- Types, uses and functionalities of the Content Management Systems (CMS).
- Design of a CMS for individual use (blog or similar) about a professional theme in psychology (individual work).
- Design of a CMS for group use (wiki or similar) about a psychological theme or application (group work).

6. INSTRUMENTS AND INTERNET MANAGEMENT SYSTEMS FOR TEACHING AND THEIR APPLICATIONS FOR THE PROFESSIONAL PSYCHOLOGY

- E-learning: basic aspects and components.
- Types and functions of the Learning Content Management System (LCMS)
- Open systems for the generation of courses and educational contents.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theoretical and practical classes	45,00

Total hours	**45,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	15,00
Independent study and work	2,50
Preparation of lessons	40,00
Preparation for assessment activities	10,00
Resolution of case studies	0,00
Total hours	**67,50**

TEACHING METHODOLOGY

Master classes with the support of audiovisual means, links to different webs with contents linked with the taught subject, manuals and scientific papers and other readings and materials. This type of activities is aimed at teaching the most theoretical part of the subject.

Practical sessions in a computerized classroom, seminars and workshops aimed at applied aspects, where the student, individually or in a group, works with the provided material (tests, papers, computers, software and databases) to achieve an objective. An important characteristic is that a pooling is carried out followed by a discussion about the learning objective that has been dealt with. Here, the student is playing an active part in the learning process.

Carrying out of exercises on theoretical and applied aspects with self-contained materials.

EVALUATION

The evaluation will result in a score of between 0 and 10 points. This rating is based on the evaluation of the following three sections both at first and second call:

System of Evaluation 1 (ES1): ESTIMATION OF THEORETICAL AND PRACTICAL CONTENTS BY MEANS OF ORAL OR WRITTEN TESTS, AND SKILL PERFORMANCE. It will represent 85% of the final qualification. It will consist of two sections: A) continuous evaluation during the scheduled period of classes, with a maximum of 15% and, B) final evaluation, with a maximum qualification of 70%, in which it will be necessary to achieve a minimum of 50% both at first and second call to pass the course. Both sections are recoverable in second call.

System of Evaluation 2 (ES2): ORAL OR WRITTEN PRESENTATION OF REPORTS ABOUT INDIVIDUAL OR GROUP WORKS, CLINICAL CASES, RESOLUTION OF PROBLEMS OR MANAGEMENT OF DIAGNOSTIC TESTS. It will add a maximum of 15% of the final qualification. It is necessary to achieve a minimum of 50% in this section both at first and second call to pass the course. This section is recoverable in second call.

Additional considerations:

The described sections will be added up only if the student reaches the minimum required conditions.

If a student do not pass some of the compulsory sections at the first call, the points of the other sections will be saved for the second call.

The dates to take the tests of Section A of the ES1 will be established by the teacher along the course. They can be individual or groupal evaluations about the topics included in the Syllabus (Guia Docent).

The qualification of the subject as well as the review of and appeal against the allotted grades will abide to what is stipulated in the *Reglament d'Avaluació i Qualificació de la Universitat de València per a títols de Grau i Màster* (ACGUV 108/2017 of May 30, 2017). http://www.uv.es/graus/normatives/2017_108_reglament_avaluacio_qualificacio.pdf

- Of 0 to 4.9: fail (D)

- Of 5 to 6.9: pass (C)

- Of 7 to 8.9: remarkable (B)

- Of 9 to 10: excellent (A) or First Honors (A+)

As stated in the normative about the attribution of First Honors gardes, it will follow a strict order of numerical mark. In case of a tie, the qualification will be granted to the student with the higher numerical score at Section B of the ES1. If the tie persists, the higher score at the ES2 and, finally the higher score at the Section A of the ES1 will apply. If all of them are identical, the teacher can ask for an aditional test to be taken by the candidates.

The copy or plagiarism of any task of the evaluation will preclude the student from passing the course. Furthermore, the appropriate disciplinary measures may be applied.

The assignments, activities, or exercises submitted by students in this subject must be their own and original work. In case of using artificial intelligence (ChatGPT or others), the student must provide a statement of responsible use.

Please be aware that, according to article 13.d) of the Statute of the University Student (RD 1791/2010, of 30 of December), a student must abstain to use or cooperate in fraudulent procedures in the tests of evaluation and works that they perform, or in official documents of the university.

In the event of fraudulent practices, the Action Protocol for fraudulent practices at the University of Valencia will be applied (ACGUV 123/2020): https://www.uv.es/sgeneral/Protocols/C83sp.pdf

In individual or group tutoring sessions, the professor can ask questions in order to verify the degree of participation and achievement of the objectives of a task. Not accepting this verification would preclude the student from passing the task or activity in question .

The marks reached in the first call will be incorporated to the official proceedings of the subject according to the following rules:

- If there is no qualification, the evaluation section with the highest weight, the grade will be Not Presented, regardless of the rest.

- If the score in the evaluation section with the highest weight does not reach the minimum requirements, FAIL shall be entered and the score (out of 10 points) shall be the qualification of this section.

- If the score at the evaluation section with the highest weight exceeds the minimum requirements, but there are no scores from one or more of the remaining sections, FAIL shall be entered and the numerical score (out of 10 points) will be entered

At the SECOND CALL, the following rules shall apply:

- The NOT PRESENTED grade will be consigned only when the student has not completed more than one of the assessment sections, including the one with the highest weighting.

- If there are grades for all the evaluation sections and minimum requirements have not been met in any of them, FAIL will be registered and the score (out of 10 points) pertaining to the failed section will be consigned. If more than one section is not passed, the maximum score achieved in one of them will be consigned, together with the grade FAIL.

- If one or more of the minimum requirements are not exceeded and an evaluation section is missing, SUSPENS will be recorded and a numerical note based on 10 of the grade of the section not passed.

- If two evaluation sections are passed and there is a third part in which no evidence of evaluation has been presented, FAIL will be consigned and, as a rating, the average score will be 0.0 for the part not submitted (maximum posible: 4.9).

- If the part of greater weight is passed, but evidences are missing in one or more of the remaining sections, FAIL will be consigned. The parts will be added: a) if the sum is less than 5.0, this result will be recorded; B) if the sum is higher than 5.0, 4.9 it will be consigned.

If the subject has been passed in the first call, the students will not be able to attend the second call with the purpose of improving their grades.

REFERENCES

Basic Referencies:

O'Reilly , T. (2005) Qué es Web 2.0. P*atrones del diseño y modelos del negocio para la siguiente generación del software*. [http://sociedadinformacion.fundacion.telefonica.com/DYC/SHI/Articulos_Tribuna_-_Que_es_Web_20/seccion=1188&idioma=es_ES&id=2009100116300061&activo=4.do]

Algarabel S. y Sanmartín, J. (1990) *Métodos Informáticos aplicados a la Psicología*. Madrid: Pirámide.

Beekman, G. (2005). *Introducción a la informática*. Prentice-Hall.

Cobo, C.; Pardo, H. (2007). *Planeta Web 2.0. Inteligencia colectiva o medios fast food*. Grup de Recerca d'Interaccions Digitals, Universitat de Vic. Flacso México. Barcelona / México DF.

O'Reilly, T; Battelle, J. *Web Squared: Web 2.0 Five Years On*. Web 2.0 Summit. San Francisco 20-22 Octubre.

Cordón García, José A. et alt. (2010). *Las nuevas fuentes de información. Información y búsqueda documental en el contexto de la web 2.0*. Madrid: Pirámide.

Pérez-Montoro, M. (2010). *Arquitectura de información en entornos Web*. Ed. Trea.