VNIVERSITAT ID VALÈNCIA

COURSE DATA

Data Subject	
Code	33682
Name	Education and ICT
Cycle	Grade
ECTS Credits	6.0
Academic year	2023 - 2024

Study (s)			
Degree	**Center**	**Acad. year**	**Period**
1305 - Degree in Primary School Education	Faculty of Teacher Training	3	First term

Subject-matter		
Degree	**Subject-matter**	**Character**
1305 - Degree in Primary School Education	19 - Specialist in information and communication technologies	Optional

Coordination	
Name	**Department**
HUERTA RAMON, RICARD VICENT	95 - Didactics of Physical, Artistic and Music Education
SUAREZ GUERRERO, CRISTOBAL NICO	100 - Education and School Management

SUMMARY

Under a triple pronged technology-didactic-visual, this module provides students with an approach to pedagogical and scientific principles based on the media included under the heading of new information technologies (ICT), developing in general, educational possibilities, and in particular its projection from the world of images, all in the field of formal education.

Thus, the whole subject forms a body of theoretical and practical knowledge about TIC, which, based on digital technology knowledge, try to provide valid guidance to

future and prospective teachers on why and what means are the most appropriate technology in the areas of intervention where they operate and what materials can design, create and / or implement on them. So that they can develop more effective and efficient work in formal educational scenarios.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

Working with PC computers. Also, use both Internet and office applications.
Basic knowledge of digital programs to manage data files and edited multimedia files.

OUTCOMES

1305 - Degree in Primary School Education

- Express oneself orally and in writing correctly and appropriately in the official languages of the autonomous region.

- Use information and communication technologies effectively as usual working tools.

- Analyse critically the most relevant issues in today's society that affect family and school education: social and educational impact of audiovisual languages and of screens; changes in gender and inter-gender relations; multicultural and intercultural issues; discrimination and social inclusion, and sustainable development; Also, carry out educational actions aimed at preparing active and democratic citizens, committed to equality, especially between men and women.

- Promote cooperative work and individual work and effort.

- Assume that teaching must be perfected and adapted to scientific, pedagogical and social changes throughout life.

- Know the processes of interaction and communication in the classroom.

- Recognise the identity of each educational stage and their cognitive, psychomotor, communicative, social and affective characteristics.

- Design, plan and evaluate teaching and learning classroom activities in multicultural and co-educational contexts.

- Know how to work as a team with other professionals within and outside the school to attend to each student, to plan the learning sequences and to organise work in the classroom and in the play space.

- Know and apply basic educational research methodologies and techniques and be able to design innovation projects identifying evaluation indicators.

- Understand that systematic observation is a basic tool that can be used to reflect on practice and reality, and to contribute to innovation and improvement in education.

- Identify and plan the resolution of educational situations that affect students with different abilities and different learning rates, and acquire resources to favour their integration.

- Advise the members of the educational community as users of information and communication technologies.

- Be able to use the devices that support information and communication technologies, at the user level, in the educational environment.

- Understand the influence of information and communication technologies and television on early childhood.

- Know the anthropological principles of the information and communication society, based on the interaction with screens.

- Develop a critical spirit towards information and communication technologies and towards the discourses that are generated from them.

- Programme pedagogical interventions taking advantage of the possibilities offered by information and communication technologies.

- Promote positive, yet critical attitudes towards the use of information and communication technologies.

- Promote autonomy in the processes of teaching and learning among students and encourage collaboration in educational actions among both teachers and students.

- Use technologies as creativity enhancers to generate educational resources.

LEARNING OUTCOMES

In the sphere of competence the student or student, to complete the course, you should be able to:

• Understand and express the implications and importance of ICT in today's information society and technologies applied in different educational settings

• Develop TIC learning and audiovisual aids opportunities from the expertise acquired for its use as educational professionals.

• Select and apply appropriate technological resources in education.

• Design educational materials on ways to implement technology and audiovisual aids more appropriate to their educational objectives, educational, cultural and creative.

• Express a positive attitude towards TIC.

• Critically analyze the use of TIC in Education

DESCRIPTION OF CONTENTS

1. New technologies in the knowledge society.

- The role of TIC in the XXI century
- Information and communication through TIC
- Technological media in early childhood education and primary
- Social, cultural and educative questions in the connecting society
- Visual Culture as a communicative engineering from ICT
- Digital School of Emergency: Lessons about digital inedits for school post COVID-19

2. Technology and curriculum

- Digital competences in the curriculum
- Pragmatic uses of technology for teachers in education centers
- Use of ICT in educational organizations
- The digital teaching competences

3. Theories and models in ICT and Education

- Educative ecosystems and technology
- Emergencies in Pedagogy
- e-Learning and online teaching
- Open learning

4. Critical analysis of audiovisual discourse

- Theoretical approximation to the concept of audiovisual discourse
- Critical analysis of media and other cultural industries
- The audiovisual language. Introduction to its characteristic features and structural
- Basic phenomenology of digital audiovisual work

WORKLOAD

ACTIVITY	Hours	% To be attended
Theoretical and practical classes	60,00	100
Study and independent work	90,00	0
TOTAL	**150,00**	

TEACHING METHODOLOGY

Teaching is structured around theoretical sessions and practical activities through the project methodology that follow the following criteria:

The course assumes that the pupil knows and handles competently type environments PC and the Windows operating system in its different versions, Internet browsers, email and various office software for creating and digitizing textual or graphical information.

The performance of the proposed tasks in different subjects and nuclei; search and download materials, follow the subject, etc.., REQUIRED, MUST, continuous access to Internet and not just the hours assigned to the subject.

The School of Education offers students a classroom with free access. Book early and not wait the last minute. Also in the various faculties and campus, such as Tarongers there computer labsavailable to students.

For its part, the teacher of the course provides a virtual classroom environment on-line work. This environment, integrated into the teacher's website, accessible from any computer with Internet connection and allows download documentation and course materials and provided the files needed for the implementation of activities, to track individual jobs and group; know the calendar of the course, students raise various proposed works, maintaining control of access by students and write the blog. It also has a forum for the exchange of information between students and teacher.

Practices that are proposed for each core subject or theme will be developed, according to their characteristics, both individually and in groups (technical project). The groups, in the case constituted, will consist of a maximum of four to five people. Optional practices are not mandatory and are evaluable. According to their characteristics, the latter will be carried out on face time, well in time to be agreed within the range set for the course weekly.

The practices are designed to introduce students to real situations of application of ICTs in educational settings: learning platforms do not face, design, creation and launch of a website, multimedia materials development, assessment of technological means. ..

EVALUATION

The evaluation will be continuous and for educational purposes. The referent fundamental will be the learning objectives, as well as the competences, foreseen for the subject. The qualification will be the product of a broad, permanent and globalized process of assessment of individual performance, for the most part, through various activities and evaluation instruments, but also of a collective nature.

In addition, as indicated in the university's evaluation regulations, the students have the opportunity to be evaluated in a first and a second call, respecting article 6.10 of that regulation which states that once a subject has been passed in a first call, the student cannot re-examine it in a second call in order to improve his grade.

REFERENCES

Basic

- FERNÁNDEZ, F. J. & FERNÁNDEZ, M. J. (2016) Los docentes de la generación Z y sus competencias digitales. Comunicar, 24 (49), 81-89.

- UNESCO/Banco Mundial, 2020, ¿Qué hemos aprendido? Hechos salientes de una encuesta a los ministerios de educación sobre las respuestas nacionales a la COVID- 19. https://bit.ly/3hUoLgL

- CANET, F (2009). Narrativa audiovisual: estrategias y recursos. Madrid: Síntesis, 2009.

- CASTELLS, M. (2009). Comunicación y poder. Madrid: Alianza

- HUERTA, R. (2019) Arte para primaria. Barcelona: UOC

- GROS, B. (2015). La caída de los muros del conocimiento en la sociedad digital y las pedagogías emergentes, Education in the Knowledge Society, 16(1), 58-68. Disponible en: http://dx.doi.org/10.14201/eks20151615868

- HUERTA, R. (2015). La ciudad y sus docentes. Miradas desde el arte y la educación. Barcelona: Editorial UOC.

- SANCHO, J. M., HERNÁNDEZ, F. y RIVERA, P. (2016) Visualidades contemporáneas, ciudadanía y sabiduría digital: Afrontar las posibilidades sin eludir las tensiones. RELATEC Revista Latinoamericana de Tecnología Educativa, 15(2), pp.25-37.

- SUÁREZ-GUERRERO, C.; LLORET-CATALÁ, C. & MENGUAL-ANDRÉS, S. (2016). Percepción docente sobre la transformación digital del aula a través de tabletas: un estudio en el contexto español. Comunicar, 24(49), 81-89.

- HUERTA, R. i ALONSO, A. (2018). Nous entorns d'aprenentatge per a les arts i la cultura. València: Tirant lo Blanch.

- SUÁREZ-GUERRERO, C. y GROS, B. (2017) Aprender en red. De la interacción a la colaboración. Barcelona: UOC.

- Cabero, J., & Valencia-Ortiz, R. (2021). Y el COVID-19 transformó al sistema educativo: Reflexiones y experiencias por aprender. IJERI: International Journal of Educational Research and Innovation, 15, 217-227. https://doi.org/10.46661/ijeri.5246
- REDECKER, C. (2017) European framework for the digital competence of educators: DigCompEdu. Seville: Joint Research Centre.

Additional

- BENITO, M. (2009). Desafíos pedagógicos de la escuela virtual. Las TIC y los nuevos paradigmas educativos. R e v i s t a   T e l o s ,   N º   7 8 .   D i s p o n i b l e   e n http://sociedadinformacion.fundacion.telefonica.com/telos/articulocuaderno.asp@idarticulo%3D2&rev%3D78.htm
- CISCO Systems (2010). La sociedad del aprendizaje. Disponible en: http://www.cisco.com/web/about/citizenship/socio-economic/docs/TLS_Spanish.pdf
- Suárez-Guerrero, C., Rivera-Vargas, P., & Rebour, M. (2020). Preguntas educativas para la tecnología digital como respuesta. Edutec. Revista Electrónica De Tecnología Educativa, (73), 7-22. https://doi.org/10.21556/edutec.2020.73.1733
- HUERTA, R. (2016). Transeducar. Madrid/Barcelona: Egales.
- LIPOVETSKY, G. y SERROY, J. (2015). La estetización del mundo. Vivir en la época del capitalismo artístico. Barcelona: Anagrama, 2015.
- HUERTA, R.; ALONSO-SANZ, A. & RAMON, R. (2019) De película. Cine para educar en diversidad. València: Tirant lo Blanch.
- SUÁREZ, C. (2014). Pedagogía red, Cuadernos de pedagogía, Nº 449, pp. 76-80.
- SUÁREZ GUERRERO, C. (2013) Entorno y comunicación en el e-learning. En Begoña Gros y Xavier Mas (eds.) La comunicación en los espacios virtuales. Enfoques y experiencias de formación en línea (pp. 21-50). Barcelona.
- COBO, C. (2019) Acepto las condiciones. Usos y abusos de las tecnologías digitales. Madrid: Fundación Santillana.
- SALINAS, J.; DE BENITO, B. & LIZANA, A. (2014) Competencias docentes para los nuevos escenarios de aprendizaje. Revista interuniversitaria de Formación del Profesorado, 78 (28.1), pp. 145-163.
- RODRIGUEZ, R. M. (2010). Razón digital y vacío. Diputación de Valencia.