



Information about the subject

Degree: Bachelor of Arts Degree in Primary School Education

Faculty: Faculty of Teacher Training and Education Sciences

Code: 1162054 **Name:** ICTs as a teaching resource in primary education

Credits: 6,00 **ECTS Year:** The course is not offered this academic year **Semester:** 2

Module: Qualifying Mention in Information and Communication Technologies

Subject Matter: ICT as a didactic resource in Primary Education **Type:** Elective

Field of knowledge: Social and legal sciences

Department: General Didactics, Theory of Education and Technological Innovation

Type of learning: Classroom-based learning / Online

Languages in which it is taught:

Lecturer/-s:



Module organization

Qualifying Mention in Information and Communication Technologies

| Subject Matter | ECTS | Subject | ECTS | Year/semester |
|--|------|--|------|---|
| New Technologies and Education | 6,00 | New technologies and education | 6,00 | This elective is not offered in the academic year 25/26 |
| Digital technology and its implication in education | 6,00 | Digital technology and its application in education | 6,00 | This elective is not offered in the academic year 25/26 |
| Design and evaluation of educational didactic materials | 6,00 | Design and evaluation of educational materials | 6,00 | This elective is not offered in the academic year 25/26 |
| ICT as a didactic resource in Primary Education | 6,00 | ICTs as a teaching resource in primary education | 6,00 | This elective is not offered in the academic year 25/26 |
| Management and innovation in new technologies in the school center | 6,00 | Management and innovation in new technologies in schools | 6,00 | This elective is not offered in the academic year 25/26 |

Recommended knowledge

None



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 The student learns to use authoring tools for creating educational ICT resources for the classroom
- R2 The student uses ICT to integrate classroom diversity into the activities they design
- R3 The student creates ICT resources for the language area (Spanish, Valencian, and English)
- R4 The student creates ICT resources for the science area (mathematics, science, and social studies)
- R5 The student creates ICT resources for the artistic area (music, art, and physical education)



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):

| GENERAL | | Weighting | | | |
|----------|--|-----------|---|---|---|
| | | 1 | 2 | 3 | 4 |
| CG1 | Understand the curricular areas of Primary Education, the interdisciplinary relationship between them, the evaluation criteria, and the body of didactic knowledge around the respective teaching and learning procedures. | | | X | |
| CG2 | Design, plan, and evaluate teaching and learning processes, both individually and in collaboration with other teachers and professionals from the school. | | | X | |
| CG10 | Reflect on classroom practices to innovate and improve teaching work. Acquire habits and skills for autonomous and cooperative learning and promote it among students. | | | X | |
| CG11 | Know and apply information and communication technologies in the classrooms. Selectively discern audiovisual information that contributes to learning, civic education, and cultural enrichment. | | | X | |
| CG12 | Understand the function, possibilities, and the limits of education in today's society and the fundamental competencies that affect primary education schools and their professionals. Know the models of quality improvement applied to educational institutions. | | | X | |
| SPECIFIC | | Weighting | | | |
| | | 1 | 2 | 3 | 4 |
| ETIC5 | Acquisition of knowledge and skills to use new technologies in the teaching-learning process of their students in the classroom. | | | | X |
| ETIC6 | To be able to programme and develop digital teaching materials. | | | | X |
| ETIC10 | Be able to train and advise the rest of the members of the educational community as users of information and communication technologies. | | | | X |



Assessment system for the acquisition of competencies and grading system

In-class teaching

| Assessed learning outcomes | Granted percentage | Assessment method |
|----------------------------|--------------------|---|
| | 10,00% | Solution of practical cases: Execution tests, real and/or simulated tasks. |
| | 10,00% | Oral presentation of group and individual works: Self-assessment systems (oral, written, individual, in groups). Oral tests (individual, in groups, presentation of topics or works). |
| | 20,00% | Monitoring of student work in non-face-to-face/distance sessions: Observation techniques, rubrics, checklists. Portfolios. |
| | 10,00% | Active participation in theoretical-practical sessions, seminars, and tutorials: Attitude scale (to gather opinions, values, social and managerial skills, interaction behaviors). |
| | 50,00% | Projects. Development and/or design works. |

Observations

Sistema de evaluación única

De forma excepcional podrán optar a este sistema de evaluación aquellos alumnos que no puedan someterse al sistema de evaluación continua por no asistir a un mínimo del 60% de las clases.

Uso de inteligencia artificial

Solo se permite el uso de Inteligencia Artificial en las tareas indicadas para ello.

Online teaching

| Assessed learning outcomes | Granted percentage | Assessment method |
|----------------------------|--------------------|--|
| | 10,00% | Solution of practical cases: Performance tests of real and/or simulated tasks. |



| | |
|--------|--|
| 10,00% | Exposición oral de trabajos grupales e individuales: sistemas de autoevaluación (oral, escrita, individual, en grupo). Pruebas orales (individual, en grupo, presentación de temas-trabajos) |
| 20,00% | Monitoring of student work in non-face-to-face/distance sessions: Observation techniques, rubrics, checklists. Portfolios. |
| 20,00% | Active participation in theoretical-practical sessions, seminars, and tutorials: Attitude scale (to gather opinions, values, social and managerial skills, interaction behaviors). |
| 40,00% | Projects. Development and/or design works. |

Observations

Sistema de evaluación única

Se encabezará este apartado con el siguiente texto:

De forma excepcional podrán optar a este sistema de evaluación aquellos alumnos que no puedan someterse al sistema de evaluación continua por no asistir a un mínimo del 60% de las clases. En dicho caso se evaluará de la siguiente manera: (a concretar en cada asignatura)

Uso de inteligencia artificial

Solo se permite el uso de Inteligencia Artificial en las tareas indicadas para ello.

CRITERIA FOR THE AWARDING OF HONOURS:

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 9 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 | Participatory Master Class |
| M3 | Project-based Learning |
| M7 | Cooperative/Collaborative Work |
| M9 | Group and Individual Tutoring |
| M10 | Individual Tutoring |
| M11 | Participatory Master Class |
| M13 | Seminar Work |
| M15 | Project-based Learning |
| M18 | Cooperative/Collaborative Work |
| M19 | Individual Tutoring |
| M20 | Group and Individual Tutoring |



IN-CLASS LEARNING

IN-CLASS LEARNING ACTIVITIES

| | LEARNING OUTCOMES | HOURS | ECTS |
|-------------------------------|--------------------|--------------|-------------|
| Group Work Presentation M7 | R1, R2, R3, R4, R5 | 6,00 | 0,24 |
| Theoretical Class M1 | R1, R2, R3, R4, R5 | 14,00 | 0,56 |
| Practical Class M3, M7 | R1, R2, R3, R4, R5 | 33,00 | 1,32 |
| Tutoring M10 | R1, R2, R3, R4, R5 | 4,00 | 0,16 |
| Evaluation M10 | R1, R2, R3, R4, R5 | 3,00 | 0,12 |
| TOTAL | | 60,00 | 2,40 |

LEARNING ACTIVITIES OF AUTONOMOUS WORK

| | LEARNING OUTCOMES | HOURS | ECTS |
|------------------------|--------------------|--------------|-------------|
| Group work M9 | R1, R2, R3, R4, R5 | 30,00 | 1,20 |
| Individual work M10 | R1, R2, R3, R4, R5 | 60,00 | 2,40 |
| TOTAL | | 90,00 | 3,60 |



ON-LINE LEARNING

SYNCHRONOUS LEARNING ACTIVITIES

| | LEARNING OUTCOMES | HOURS | ECTS |
|--|--------------------|--------------|-------------|
| Theoretical class (e-learning mode) M11 | R1, R2, R3, R4, R5 | 23,00 | 0,92 |
| Practical class (e-learning mode) M18 | R1, R2, R3, R4, R5 | 30,00 | 1,20 |
| Individual tutoring (e-learning mode) M19 | R1, R2, R3, R4, R5 | 4,00 | 0,16 |
| Evaluation (e-learning mode) M15 | R1, R2, R3, R4, R5 | 3,00 | 0,12 |
| TOTAL | | 60,00 | 2,40 |

ASYNCHRONOUS LEARNING ACTIVITIES

| | LEARNING OUTCOMES | HOURS | ECTS |
|---|--------------------|--------------|-------------|
| Individual work Activities (e-learning mode) M19 | R1, R2, R3, R4, R5 | 60,00 | 2,40 |
| Group Work (e-learning mode) M15, M18 | R1, R2, R3, R4, R5 | 12,00 | 0,48 |
| Discussion Forums (e-learning mode) M20 | R1, R2, R3, R4, R5 | 3,00 | 0,12 |
| Asynchronous Tutoring (e-learning mode) M19 | R1, R2, R3, R4, R5 | 15,00 | 0,60 |
| TOTAL | | 90,00 | 3,60 |



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

| Content block | Contents |
|---------------|---|
| 1. | Didactics with ICT |
| 2. | Introduction to the creation of digital content integrated into classroom programming. |
| 3. | ICT and Diversity in the Classroom |
| 4. | Specific application in the different curricular areas of Primary Education using authoring tools for content creation. |
| 5. | Evaluation of the digital content integrated in the classroom programme. |



Temporary organization of learning:

| Block of content | Number of sessions | Hours |
|------------------|--------------------|-------|
| 1. | 4,00 | 8,00 |
| 2. | 4,00 | 8,00 |
| 3. | 4,00 | 8,00 |
| 4. | 10,00 | 20,00 |
| 5. | 8,00 | 16,00 |

References

Carbonero, C. y Canizares, J.M. (2018). Las TIC en la escuela actual: Nuevas metodologías didácticas en la educación física. Madrid. Editorial Wanceulen.

Cacheiro González, M. L. (2018). Educación y tecnología: estrategias didácticas para la integración de las TIC. Madrid. Editorial UNED.



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

☐ Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

☐ Kaltura

Explanation about the practical sessions:



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

☒

The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

☐

The following changes will be made to adapt the subject's assessment to the online teaching.

| Course guide | | Adaptation | |
|-----------------|----------------------|--------------------------------------|---------------------|
| Assessment tool | Allocated percentage | Description of the suggested changes | Platform to be used |

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System:



ONLINE WORK

Regarding the Assessment Tools:

☐

The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

☒

The following changes will be made to adapt the subject's assessment to the online teaching.

| Course guide | | Adaptation | |
|-----------------|----------------------|--------------------------------------|---------------------|
| Assessment tool | Allocated percentage | Description of the suggested changes | Platform to be used |

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: