



## Information about the subject

**Degree:** Bachelor of in Sciences of Physical Activity and Sport

**Faculty:** Faculty of Physical Activity and Sport Sciences

**Code:** 280210 **Name:** New Technologies Applied to Physical Activity

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

**Module:** 4) Instrumental knowledge module

**Subject Matter:** New Technologies Applied to Physical Activity. **Type:** Compulsory

**Field of knowledge:** Basic Sciences

**Department:** Basic Sciences (FCAFD)

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** Spanish

### Lecturer/-s:

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## Module organization

### 4) Instrumental knowledge module

Subject Matter	ECTS	Subject	ECTS	Year/semester
English.	6,00	English. Specific English	6,00	1/2
Social Skills and group dynamics	6,00	Social Skills and Group Dynamics	6,00	3/1
New Technologies Applied to Physical Activity.	6,00	New Technologies Applied to Physical Activity	6,00	1/1



## 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 Acquisition of basic knowledge.
- R2 Search for information to expand and personalize the theoretical content of the course.
- R3 Learn to apply variety of appliances, tools, methodologies and protocols related to different fields of Science in Physical Activity and Sport.
- R4 Learning to adapt tools, techniques, instrumental and methodological requirements of science in physical education and sport in different areas.
- R5 Learn to describe, analyze and evaluate protocols for the application of instrumental techniques in different areas of Physical Activity Sciences Sport.
- R6 Learn to synthesize and organize information.
- R7 Learn to express in writing the foreground.
- R8 Learning to work together and make decisions.
- R9 Learn to assess and evaluate theoretical and practical work.



## 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
CG2 Ability to apply information technology and communication (ICT)				X
CG4 Transmit any information regarding the contents of body expression both in writing and orally		X		
CG7 Be capable of critical reasoning using the knowledge gained			X	
CG10 Develop skills to adapt to new situations and autonomous learning			X	
CG13 Being able to apply theoretical knowledge in practice				X
CG14 Use Internet well as communication and as a source of information				X
CG18 Being able to assess themselves		X		

  

SPECIFIC	Weighting			
	1	2	3	4
CE1 Knowing and understanding the contents within the scope of Physical Activity and Sports Science	X			
CE18 Select and know how to use the most appropriate teaching materials and resources for each type of activity			X	



## Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R5	30,00%	Written/oral and/or practical tests.
R9	10,00%	Participation and self-assessment.
R2, R3, R4, R6, R7	60,00%	Completion of a project.

### Observations

#### Criteria for granting a grade of A with honors:

Sum of scores greater than 9 pts., In order from highest to lowest based on the number of students and ratio as indicated by rules of the UCV. In case of equal numbers of the final grade, the teacher will consider the interest, willingness and involvement of students in the course.

#### To pass the subject or in the 1st enrolment will be essential:

- To pass the course the student must obtain at least 50% of the total mark for each of the sections of assessment (excluding single-group work and self-assessment).

- To overcome the practical part, in the form of partial, the student must pass each quiz with 4 points or more and averaged 5 points or more of all practical questionnaires completed during the course. Failing the student will examine the unsurpassed questionnaires (<4 points) on the 2nd call.

- Failure to pass these criteria will be his second official evaluation in conserving call other scores for the competencies exceeded (desk review, questionnaires, work approved and participation in forums).

- Students who do not meet the requirements to pass the course but the overall rating is equal to or greater than 5 pts. will be rated at 4.5 pts.

- Also be assessed (up 0.5 points to be added to the final grade, once the other sections of approved assessment) collaboration, participation in research projects developed by professors from the UCV and CCAFD / or attendance at scientific-training events (workshops, conferences, symposia, ...) related to the use of ICT in the field of CCAFD.

#### To pass the subject or in the second enrolment:

- A separate group for students who enrol for the second of successive times will be established and they will be given a tutor

- The tutor will give six follow-up sessions (two hours each). These sessions will be organised according to students needs in order to strengthen their competences and give them the tools to



handle with the subject.

·Content assessment will follow the official schedule. The assessment of practical content will be made with the participation and completion of questionnaires to be determined in the practical sessions.

·Scores of competences well done in previous calls will be retained.

**To pass the subject or on the 3th and subsequent enrolment:**In these calls no notes from previous calls are saved, so that the student has to overcome the core competencies of the course, established by consensus by all teachers of the subject (examination department official date).

·Conceptual knowledge: theoretical exam = 40%. (at least a 50% is needed).

·Procedimental knowledge: practical assessment = 60% (at least a 40% is needed but a final mean value of a 50% is needed).

·The continue assessment should be checked with the lecturer assigned.

## Learning activities

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

- M1 Exhibition of contents by the teacher.
- M2 Dynamics and group activities.
- M3 Resolution of problems and cases.
- M5 Discussion in small groups.
- M6 Practical lesson.
- M7 Internship assistance.



## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
<p>PRACTICAL /SEMINAR CLASS: Dynamics and group activities. Resolution of problems and cases. Laboratory practices. Data search in a computer room, library... Meaningful construction of knowledge through the interaction and activity of the student M2, M3, M5, M6</p>	R2, R3, R4, R5, R8	41,50	1,66
<p>TUTORY: Learning supervision, evolution. Discussion in small groups. Resolution of problems and cases. Presentation of results before the teacher. Presentation of schemes and indexes of the proposed works. M5</p>	R1, R2, R6	2,00	0,08
<p>EVALUATION: Set of oral and / or written tests used in the evaluation of the student, including the oral presentation of the final project. M2, M3</p>	R1, R6, R7, R9	4,00	0,16
<p>THEORETICAL CLASS: Presentation of content by the teacher. Competency analysis. Demonstration of skills, abilities and knowledge in the classroom. M1, M2, M5</p>	R1	12,50	0,50
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>



## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
GROUP WORK: Problem solving. Preparation of exercises, works, memories, to exhibit or deliver in classes and / or in tutoring. M2, M3	R2, R3, R5, R8	35,00	1,40
AUTONOMOUS WORK: Study, Individual preparation of exercises, works, memories, to exhibit or deliver in classes and / or in tutoring. Platform activities or other virtual spaces. M3	R2, R4, R5, R6, R7	55,00	2,20
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>





## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
UNIT 1. Theoretical framework of new technologies and their evolution:	<ul style="list-style-type: none"><li>·Evolution of Technology throughout history and their relation to sciences Physical Activity and Sport</li><li>·Analysis of Technology: importance in today's society and the development of the specific field of activity.</li></ul>
UNIT 2: New technologies applied to education:	<ul style="list-style-type: none"><li>·Internet and information seekers</li><li>·Word processing with dedicated software.</li><li>·Using Learning Platforms (Moodle)</li></ul>
UNIT 3: New technologies applied to research in the area of Physical Education and Sport:	<ul style="list-style-type: none"><li>·Management of bibliographic databases via the Internet.</li><li>·Management of bibliography management software.</li><li>·Laboratory techniques applied to physical education.</li></ul>
UNIT 4: New technologies applied to the administration and sports management:	Information processing using tables and spreadsheets.
UNIT 5. New technologies applied to sports training.	Management of heart rate monitors, potentiometers, video editors and other useful tools for the assessment and exercise prescription and the treatment of data that provide these instruments.



## Temporary organization of learning:

Block of content	Number of sessions	Hours
UNIT 1. Theoretical framework of new technologies and their evolution:	4,00	8,00
UNIT 2: New technologies applied to education:	6,00	12,00
UNIT 3: New technologies applied to research in the area of Physical Education and Sport:	7,00	14,00
UNIT 4: New technologies applied to the administration and sports management:	6,00	12,00
UNIT 5. New technologies applied to sports training.	7,00	14,00



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## 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
- Blackboard Collaborate Ultra
- 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
- Blackboard Collaborate Ultra
- 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: