



Guías docentes UJA
Horarios de tutorías
Llamamientos PEvAU

Syllabus 2024-25 - 79412007 - Technological Resources Applied to Physical Activity and Health (Recursos tecnológicos aplicados al ejercicio físico y salud)

Caption

- Level 1: Tutorial support sessions, materials and exams in this language
- Level 2: Tutorial support sessions, materials, exams and seminars in this language
- Level 3: Tutorial support sessions, materials, exams, seminars and regular lectures in this language

Back Full version (Spanish) English

DEGREE: Máster Univ. en Investigación y docencia en cienc. actividad física y salud
FACULTY: Centro de Estudios de Postgrado
ACADEMIC YEAR: 2024-25
COURSE: Technological Resources Applied to Physical Activity and Health

SYLLABUS

1. COURSE BASIC INFORMATION

NAME: Technological Resources Applied to Physical Activity and Health
CODE: 79412007 ACADEMIC YEAR: 2024-25
LANGUAGE: English LEVEL: 2
ECTS CREDITS: 4.0 YEAR: 1 SEMESTER: SC

2. LECTURER BASIC INFORMATION

NAME: HITA CONTRERAS, FIDEL MARÍA
DEPARTMENT: U130 - CIENCIAS DE LA SALUD
FIELD OF STUDY: 027 - ANATOMÍA Y EMBRIOLOGÍA HUMANA
OFFICE NO.: B3 - 212 E-MAIL: fhita@ujaen.es P: -
WEBSITE: -
ORCID: <https://orcid.org/0000-0001-7215-5456>
LANGUAGE: - LEVEL: 2
NAME: SUAREZ MANZANO, SARA
DEPARTMENT: U109 - DIDACTICA EXPR. MUSICAL PLASTICA y CORP.
FIELD OF STUDY: 187 - DIDÁCTICA DE LA EXPRESIÓN CORPORAL
OFFICE NO.: D2 - 135 E-MAIL: ssuarez@ujaen.es P: 953213589
WEBSITE: <https://grupoafaes.com/equipo/>
ORCID: -
LANGUAGE: - LEVEL: 2

3. CONTENT DESCRIPTION

Part 1: Current technological resources for the evaluation of the health status and physical activity.

* Imaging techniques: Promotion of health and physical activity.

* Sudden death and sport.

* Advanced technologies in the analysis of human movement.

* Comprehensive assessment of health-related quality of life (HRQoL). The role of technologies for the analysis of human movement within the integral evaluation of HRQoL.

* Quantification of human movement.

* Methodological and technological considerations on photogrammetry (motion capture, motion analysis, video-analysis).

* Non-photogrammetric techniques.

Part 2: Techniques for the public exhibition of the research outcomes.

* Advanced software treatment aimed at preparing the exhibition and public defense of research projects and master's degree projects.

*Digital techniques in the preparation of posters for Congresses.

*Educational research based on mastery of basic research techniques, both quantitative and qualitative.

4. COURSE DESCRIPTION AND TEACHING METHODOLOGY

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Students with special educational needs should contact the Student Attention Service (Servicio de Atención y Ayudas al Estudiante) in order to receive the appropriate academic support

5. ASSESSMENT METHODOLOGY

The grading system will be regulated by the provisions of RD 1125/2003 of September 5th, which establishes the European credit system and the grading system for official university degrees.

6. BOOKLIST

MAIN BOOKLIST:

- Formación para la educación con tecnologías . Edition: -. Author: Gallego Arrufat, María Jesús, coord. Publisher: Pirámide ([Library](#))
- Writing science : how to write papers that get cited and proposals that get funded . Edition: -. Author: Schimel, Joshua. Publisher: Oxford University Press ([Library](#))
- How to write and publish a scientific paper . Edition: 3th ed. Author: Day, Robert A.. Publisher: University Press ([Library](#))

ADDITIONAL BOOKLIST:

- Introduction to surface electromyography . Edition: -. Author: Cram, Jeffrey R.. Publisher: Aspen Publishers ([Library](#))
- Application of Infrared Thermography in Sports Science [electronic resource] . Edition: 1st ed. 2017.. Author: Priego Quesada, Jose Ignacio. editor.. Publisher: Springer International Publishing ([Library](#))

7. SUSTAINABLE DEVELOPMENT GOALS

Salud y bienestar

Educación de calidad

Igualdad de género

Alianzas para lograr objetivos

DETAILED INFORMATION

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8. VIRTUAL / CLASSROOM TEACHING SCENARIO

Formative activities	FORMAT	Teaching methodology / Description
4 sessions on the contents of the subject.	Face-to-face up to 50%.	Up to 2 sessions of four hours each, held by videoconference to the Large Group, provided that the circumstances and infrastructure of the UJA allow it.
		Up to 2 face-to-face sessions (for example, in a scenario of 40 students for a classroom with a capacity of up to 20) of four hours each with rotation of the students in Small Groups, broadcasting by videoconference to the rest of the students, provided that the circumstances sanitary and infrastructure of the UJA allow it.

		Synchronously performed
Tutorials	Face-to-face + Online	Face to face and online (synchronous/asynchronous).

NOTE: In the multimodal and/or remote scenario, when appropriate, the teaching staff involved in the development of teaching reserves the right not to give consent for the capture, publication, retransmission or reproduction of their speech, image, voice and lecture explanations, in the exercise of their teaching functions, within the scope of the University of Jaén.

EVALUATION

Ordinary and extraordinary calls

Exam	FORMAT	Description	Percentage
Theoretical-practical concepts of the subject, through exams and/or presentation and exposition of works.	In person/online, whenever the infrastructure of the UJA allows it. Asynchronous test could be performed.	Test with multiple choice questions and/or open questions, or works.	Those established in the Guide of the subject.
Attendance	Face to face/online.	There will be random checks of attendance at sessions and synchronous activities..	Those established in the Guide of the subject.

9. VIRTUAL TEACHING SCENARIO

ACADEMIC ACTIVITY

Formation activities	FORMAT	Teaching methodology / Description
4 sessions on the contents of the subject.	Non presential.	Up to 4 sessions of four hours each, conducted by videoconference to the Large Group, whenever the UJA infrastructure allows it. It would be done synchronously / asynchronously.
Tutoring	Non presential.	All the tutoring sessions will be online (synchronous / asynchronous).

NOTE: In the non presential scenario, when appropriate, the teaching staff involved in the development of teaching reserves the right not to give consent for the capture, publication, retransmission or reproduction of their speech, image, voice and explanations of chair, in the exercise of his teaching functions, in the field of the University of Jaén.

EVALUATION

Ordinary and extraordinary call

Test	FORMAT	Description	Percentage
Theoretical-practical concepts of the subject, through exams and / or presentation and presentation of works.	Online, whenever the UJA infrastructure allows it. An asynchronous test could be performed	Test with multiple choice questions and / or open questions, or delivery and / or exhibition of works.	Those established in the Teaching Guide of the subject.
Assistance	Online.	Random controls of attendance at sessions and synchronous activities will be carried out. .	Those established in the Teaching Guide of the subject.

DATA PROTECTION CLAUSE (on line exams)

Institution in charge of data processing: Universidad de Jaén, Campus Las Lagunillas, s/n, 23071 Jaén

Data Protection Delegate: dpo@ujaen.es

Purpose: In accordance with the Universities Law and other national and regional regulations in force, carrying out exams and assessment tests corresponding to the courses students are registered in. In order to avoid frauds while sitting the exam, the exam will be answered using a videoconference system, being able the academic staff of the University of Jaén to compare and contrast the image of the person who is answering the exam with the student's photographic files. Likewise, in order to provide the exam with evidential content for revisions or claims, in accordance with current regulation frameworks, the exam will be recorded and stored.

Legitimacy: compliance with legal obligations (Universities Law) and other national and regional regulations currently in force.

Addressees: service providers who are the owners of the platforms where the exams are carried out and with whom the University of Jaén has signed the corresponding data access contracts.

Storage periods: those established in current in force regulations. In the specific case of exam videoconference recordings, not before the examination records and transcripts are closed or the exam can still be reviewed or challenged.

Rights: you can exercise your right of access, amendment, cancellation, opposition, suppression, limitation and portability by sending a letter to the postal or electronic address indicated above. In the event that you consider that your rights have been violated, you may submit a complaint to the Andalusian Council for Transparency and Data Protection www.ctpdandalucia.es

CLASS RECORDING CLAUSE PERSONAL DATA PROTECTION

Person in charge: Universidad de Jaén, Paraje Las Lagunillas, s/n; Tel.953 212121; www.ujaen.es

Data protection delegate (DPO): TELEFÓNICA, S.A.U. ; Email: dpo@ujaen.es

Procedure aim: To manage proper recordings of teaching sessions with the aim of facilitating learning process under a multimodal and/or online teaching

Period for record storage: Images will be kept during legal term according to regulations in force

Legitimacy: Data will be managed according to legal regulations (Organic Law 6/2001, December 21, on Universities) and given consent provided by selecting corresponding box in legal admission documents

Data recipients (transfers or assignments): Any person allowed to get access to every teaching modality

Rights: You may exercise your rights of access, rectification, cancellation, portability, limitation of processing, deletion or, where appropriate, opposition. To exercise these rights, you must submit a written request to the Information, Registration and Electronic Administration Service of the University of Jaen at the address above, or by e-mail to the address above. You must specify which of these rights you are requesting to be satisfied and, at the same time, you must attach a photocopy of your ID card or equivalent identification document. In case you act through a representative, legal or voluntary, you must also provide a document that proves this representation and identification. Likewise, if you consider that your right to personal data protection has been violated, you may file a complaint with the Andalusian Data Protection and Transparency Council www.ctpdandalucia.es