

**COURSE DATA****DATA SUBJECT**

Code: 33226
Name: Sports equipment and fittings
Cycle: Undergraduate Studies
ECTS Credits: 6
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1312 - Degree in Physical Activity and Sport Sciences	Facultat de Ciències de l'Activitat Física i Esports	3	First quarter, Second quarter
1331 - Degree in Physical Activity and Sport Sciences (Ont)	Facultat de Ciències de l'Activitat Física i Esports	3	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1312 - Degree in Physical Activity and Sport Sciences	Sports equipment and installations	COMPULSORY
1331 - Degree in Physical Activity and Sport Sciences (Ont)	Equipamiento e instalaciones deportivas	COMPULSORY

COORDINATION

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SUMMARY

The subject Sports Equipments and Facilities is a compulsory subject of semi-annual duration, which is taught in the third year of the Bachelor of Science in Physical Activity and Sports in the curriculum in force, plan 2,009, it consists of a total of 6 credits spread over 4.5 theoretical credits and 1.5 practical credits. This course is intended that students know the sports facilities and equipment from a more functional and profitable view, resulting in the same critical awakening regarding this type of construction. It equipping students with theoretical knowledge and more practical, it is to achieve a sufficient technical training with which to undertake management or advisory work in this field.

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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Apply information and communication technologies (ICTs) in the field of physical activity and sport sciences.

Apply the principles of fundamental rights, gender equality, equal opportunities and universal accessibility for people with disabilities to the use of sports equipment and facilities.

Develop capacities to act under the ethical principles required for proper professional practice relating to programmes and projects of sports management and equipment.

Develop leadership, interpersonal and teamwork skills.

Direct and manage sports facilities.

Know the sports materials, equipment and facilities that can be used for each activity and population.

Use the sources of certified scientific knowledge applied to the use, direction and management of sports equipment and facilities.

DESCRIPTION OF CONTENTS

1. Conceptual and historical approach to sports equipment and facilities (I.D.)

- Background and evolution of sports facilities.
- Legal regulations of interest in the design, construction and management of a Sports Facility.
- Conceptualization and typologies of spaces for sport.

2. Regulations and characteristics, of the surfaces of use and other spaces of the I.D.

- Small fields
- Large fields
- Swimming pools

- Maintenance plan
- Economic maintenance management



3. Maintenance and safety of IDs.

- Maintenance plan
- Safety in sports facilities

4. Technology in I.D.

- New trends in sports equipment
- Technological systems in sports facilities (wearables, etc.)
- Digital transformation in sports facilities (gamification, etc.)

5. The process of creating an I.D.

- Phases and contents of each of them
- Regulatory to consider
- Role of the Graduate in Physical Activity and Sport Sciences.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	45,00
Classroom practices	15,00
Total hours	60,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	55,00
Independent study and work	30,00
Preparation of lessons	0,00
Preparation for assessment activities	5,00
Resolution of case studies	0,00
Total hours	90,00

TEACHING METHODOLOGY

The course is structured around two formats session:

- The Face sessions (lectures, practical classes, tutorials).
- Non-Face and refer to those working sessions depend on each student's own organization (study sessions, self-employment in general, both individual and group).



The sessions will be held in classrooms and assigned schedules.
a schedule of tutorials which will be held in the teacher's office itself established.

EVALUATION

**First call:

Students will be able to choose between two evaluation modalities, CONTINUOUS

EVALUATION or FINAL EVALUATION

A) CONTINUOUS EVALUATION. In order to be evaluated in this way, the students they will have to pass the following evaluative elements:

1-Monographic work (exhibition). On a topic among those proposed by the teacher, each student will make an exhibition to her classmates on the assigned date. After the exhibition, the elaborated presentation (power point or similar), will be sent to the teacher by email, who will value it and proceed to post it in the Virtual Classroom, where it will be at arrangement of the members of the group. The exhibition will be valued on a score maximum of 1 point.

2-Project. The students will elaborate, individually, an original work on Sports Facilities. This will be a project of remodeling, conditioning, improvements, innovations, etc., applicable to a sports facility that optimizes the use and/or management of the same, help in the planning of new sports constructions and their equipment, improve existing ones, or criticize with foundation and rigor the bad ones actions in this regard, , providing reasoned solutions, always bearing in mind that what is related to structural (physical) aspects will be evaluated, provided that it is not problems arising from poor maintenance.

The work prepared will be sent to the teacher by email and will have as a deadline the day established for the completion of the exam, scored on a maximum score of 3 points. It will be of great importance in the assessment of the same:

- That the student is effectively and fully the author of the project.
- The contribution of the student and originality of the proposals
- The possibility of application.

If the student is not the author of the work IN ITS ENTIRETY, it will not be saved for the calls note none that was approved.



3-Exam. On the date stipulated by the Faculty, an examination of knowledge and application of them. It will be evaluated on a maximum score of 6 points. If there are irregularities in the performance of the examination, it will not be saved for the following calls note none that was approved.

B) FINAL EVALUATION.- The students who decide to be evaluated by this second option, must pass each of the two evaluative elements specified:

1- **Project.** Following the instructions transmitted through the Virtual Classroom on the preparation of work, may be sent to the teacher until the day of the date indicated for the taking the exam, qualified on a maximum score of 3 points.

2- **Exam.** Maximum rating, 7 points.

** Second and subsequent calls:

The students who access the second call of this subject, must pass the next evaluation element(s) that you have not passed in the previous call:

1- **Project.** Following the instructions transmitted through the Virtual Classroom on the preparation of work, may be sent to the teacher until the day of the date indicated for the completion of the exam, qualifying on a maximum score of 3 points.

2- **Examination.** Maximum rating, 7 points.

Students who access the following calls must pass both elements evaluative.

REFERENCES

- -ACSM (2007). ACSM¿S Health/Fitness Facility Satndards and Guidelines. Champaign, IL:Human Kinetics. -Ayora, D. y García, E. (2013). Planificación, diseño y construcción de una instalación deportiva. Criterios para una gestión posterior. Valencia: PUV. -Celma, J. (2000). Proceso de construcción y funcionamiento de una instalación deportiva. Barcelona: Diputación de Barcelona.
- -Daly, J. (2000). Recreation and sport planning and design. Champaign: Human Kinetics. -Fried,



- G. (2005). *Managing Sport Facilities*. Champaign, IL: Human Kinetics -García E. y García E. (2005): *El mantenimiento aplicado a las Instalaciones Deportivas*. Barcelona: INDE. -García E., Cortés T., Gracia J. (2016). *Manual para la autoprotección en las instalaciones deportivas y eventos deportivos cubiertos (evacuación, emergencias y aforos)*. Almería: Círculo Rojo - Gallup, J.W. (1999). *Wellness centers: a guide for the design professional*. New York: John Wiley&Sons Inc. - González, L. E. Q., Jiménez, F. J., & Moreira, M. A. (2018). Más allá del libro de texto. La gamificación mediada con TIC como alternativa de innovación en Educación Física. *Retos: nuevas tendencias en educación física, deporte y recreación*, (34), 343-348.
- - Kim, K. T., Bae, J., Kim, J. C., Lee, S., & Kim, K. T. (2016). The Servicescape in the fitness center: measuring fitness centers services. *International Journal of Sport Management Recreation & Tourism*, 21(1), 1-20. -Mascheroni, G. (2000). *Consejos y proyectos del arquitecto para las piscinas*. Barcelona: De Vecchi. -Merino, D. y Ausomera, J. (1998). *Césped deportivo*. Madrid: Mundi-Prensa. -Mestre, J.A.; Rodríguez, G. (2007). *El gestor deportivo y las instalaciones deportivas*. Barcelona: INDE
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 - -Revista *TANDEM*. (2009). *Evaluación y dinamización de espacios e instalaciones*. Abril, mayo, junio. nº 30. Barcelona: InfoGrao. -Rovira Beleta E. (2003): *Libro blanco de la accesibilidad*. Barcelona: U.P.Catalunya. - Valcarce, M., & Díez, C. (2018). Influencia de una app en la adherencia a la práctica deportiva: Protocolo de estudio. *Revista de Educación, Motricidad e Investigación*, 11, 16. -Varios. (1989). *Optimización energética en Polideportivos*. Madrid: I.D.A.E.