

**1. General information****Course:** SPORTS FACILITIES AND EQUIPMENT**Type:** CORE COURSE**Degree:** 314 - DEGREE IN SCIENCES OF THE PHYSICAL ACTIVITY AND OF THE SPORT**Center:** 8 - FACULTY OF SPORT SCIENCES**Year:** 3**Main language:** Spanish**Use of additional languages:****Web site:****Code:** 39323**ECTS credits:** 6**Academic year:** 2021-22**Group(s):** 40**Duration:** C2**Second language:** English**English Friendly:** Y**Bilingual:** N**Lecturer:** ENRIQUE COLINO ACEVEDO - Group(s): 40

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2. Pre-Requisites

Prerequisites are not necessary. It is convenient to have completed the Sport Management course previously.

3. Justification in the curriculum, relation to other subjects and to the profession**Contribution of the subject to the study plan:**

The degree in Physical Activity and Sports Sciences is structured so that students, once they finish their studies, have competencies to teach physical and sports activity in formal settings (education), sports training, health, recreation, as well as in the organization, management and promotion of sports activities.

The subject of Sports Facilities and their Equipment belongs to the Health, Management and Recreation itinerary. The student will know the different types of sports facilities and equipment in which the contents acquired in the rest of the subjects of the Degree can be applied.

Relationship with other subjects.

It gives continuity to the subject of "Sports Management", taught in the first semester of the 3rd year. It is related to practically all the subjects of the Degree, since it trains the student to be able to choose and manage the best physical space for the development of sports activity, whatever it may be.

Relationship with the profession.

The subject will be very useful for all those people who, in the future, may have responsibilities regarding the planning and design of sports facilities, as well as their organization and maintenance control. However, its contents can be very useful for any professional in the field of physical activity and sport.

Sports facilities and sports spaces have acquired a much more global and holistic dimension. A professional in the sports field must know the physical environment in which the practice can take place and which is the most appropriate for each type of activity and context. In addition to traditional sports facilities, this field of study also covers other elements as important as the organization of suitable spaces for sports in cities, accessibility to sports or the integration of active habits in the daily routine thanks to environments sustainable.

4. Degree competences achieved in this course**Course competences**

Code	Description
A01	Develop the ability to collect and interpret data to make judgments that include a reflection on relevant social, scientific or ethical issues.
A02	Transmit information, ideas, problems and solutions to a specialized and non-specialized audience.
A04	Knowing how to apply information and communication technologies (ICT) to the field of Physical Activity and sports Sciences.
A05	Develop leadership skills, interpersonal relationships and teamwork, regardless of sex, creed, race and disability.
A06	Apply the knowledge acquired to the workplace from situations where the student must solve specific problems and develop and defend arguments.
A07	Desarrollar hábitos de excelencia y calidad en el ejercicio profesional aplicando los derechos fundamentales, los principios de igualdad de oportunidades y los valores propios de una cultura democrática. Asimismo actuar conforme a los valores éticos en relación a la salud de los usuarios y al respeto sobre el medio ambiente.
B01	Know and understand the object of study of the Physical Activity and Sport Sciences.
B02	Know and understand the object of study of the Physical Activity and Sport Sciences.

B04	Know and understand the physiological and biomechanical factors that condition the practice of physical activity and sport.
B16	Plan, develop and evaluate the development of programs of physical-sport activities.
B17	Develop programs for the management of sport organizations, sport entities and sports facilities.
B18	Prepare and know how to use the sports material and equipment, suitable for each type of activity.
M821	To know the different types of sports facilities and to apply the criteria for designing of new sports facilities and their implementation.
M822	To identify the safety regulations of sports equipment
M823	To know the complexity and trends in most common special sports facilities, and to interpret it in the general framework of sport.
M824	To plan the current and future needs of sports facility networks applying quality and sustainability criteria.

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Analyze the different phases of the life-cycle of a sport facility.

Acquire new knowledge related to sports facilities and their equipment.

Learn about new aspects that can influence the viability plans of sport facilities.

Know the different types of sport turf and their maintenance.

Know the methodology for the implementation of a new sport facility

Distinguish the different phases within the methodology of the life-cycle of a sport facility.

Differentiate the types of pavements for each type of sport surface.

Know how to approach the pricing for a sport service.

Deepen the architectural-constructive criteria in singular sport facilities.

6. Units / Contents

Unit 1: Classification of sports facilities

Unit 2: Management of sports facilities

Unit 3: The management project of a sports facility

Unit 4: Key aspects in the design of sports facilities

Unit 5: Fields and tracks

Unit 6: Swimming pools

Unit 7: Sport centers

Unit 8: The integration of sports spaces in the urban environment

Unit 9: Technology and connectivity in sports facilities

Unit 10: User orientation in sports facilities

ADDITIONAL COMMENTS, REMARKS

The topics are structured in 3 thematic blocks:

1. Thematic block 1. Classification and organization of sports facilities (topics 1 and 2).
2. Thematic block 2. Design of sports facilities (topics 3 and 4).
3. Thematic block 3. Conventional sports spaces (topics 5, 6 and 7).
4. Thematic block 4. Innovation and future of sports facilities (topics 8, 9 and 10).

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Problem solving and/or case studies [ON-SITE]	Combination of methods	A01 A05 A07 B01 B16 B17 B18 M821 M822 M823 M824	1.12	28	Y	N	Development of practical classes. During these classes, the guidelines for the development of the "Problem or case resolution" workshops will be explained and will be developed in class, with partial deliveries to be made in class to comply with the continuous evaluation. This activity also includes a trip to Madrid to visit companies and sports facilities.
Writing of reports or projects [OFF-SITE]	Combination of methods	A01 B04 B16 B17 B18 M821 M822 M823 M824	1.2	30	Y	N	Accomplishment of the tasks, workshops and works.
Final test [ON-SITE]	Assessment tests	A01 B01 B18 M821 M822 M823 M824	0.16	4	Y	Y	Completion of a final written test and delivery and defense of a written work. The final written test has the same characteristics in both continuous and non-continuous assessment. The delivery and defense of the written work will be in groups in the continuous evaluation format and individually in the non-continuous evaluation format. The length of the work will be 30 to 50 pages.

Class Attendance (theory) [ON-SITE]	Guided or supervised work	A01 A02 A05 A07 B02 B16 B17 B18 M821 M822 M823 M824	1.12	28	Y	N	Development of exhibitions and debates. During these classes, explanations and partial and evaluable deliveries of the activities described in the "Portfolio" section will be carried out in the face-to-face evaluation format.
Study and Exam Preparation [OFF-SITE]	Self-study	A05 A07 B01 B18 M821 M822 M823 M824	1.2	30	N	-	Study of the contents of the subject.
Portfolio Development [OFF-SITE]	Combination of methods	A01 A02 A04 A05 A06 A07 B01 B02 B04 M823 M824	0.6	15	Y	N	Development and expansion of portfolio activities, corresponding to the "Portfolio" evaluation criterion. In the continuous assessment version, they consist of different kinds of work developed starting with the theoretical ones. A weekly activity will be developed, including group knowledge tests through gamification methods, group discussions and workshops through group dynamics. After the development of the task in class, the student must make a reflection. Each of the activities will have an independent note. In the non-continuous evaluation version, it will consist of a notebook-memory in which the student must develop a short work written for each of the subjects of the subject. In each of these works, a review of the state of the art on the content of the topic should be developed, a summary of two related bibliographic resources and a practical application adjusted to the content of the topic should be made. The extension will be 5 to 10 pages for each topic.
Writing of reports or projects [OFF-SITE]	Combination of methods	A01 A02 A04 A05 A06 A07 B01 B02 B04 B16 B17 B18 M821 M822 M823 M824	0.6	15	Y	N	Development of part of the tasks (part of autonomous work) of the evaluation section "Resolution of problems or cases". In the continuous evaluation format, it will consist of the development of workshops adjusted to real or hypothetical situations. These works will have individual or group format and will be developed during the practical classes. Each workshop will have an approximate length of between 10 and 20 pages. In the non-continuous evaluation format, it will consist of the development of workshops adjusted to real or hypothetical situations. These works will have an individual format and will have an extension of about 10 pages.
Total:			6	150			
Total credits of in-class work: 2.4				Total class time hours: 60			
Total credits of out of class work: 3.6				Total hours of out of class work: 90			

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Final test	60.00%	60.00%	6 points on the final grade. Final multiple-choice test for 40% (4 points on the total final grade for the subject) and delivery and defense of a written work (final work) for the other 20% (2 points on the total final grade for the subject) . The final test has the same characteristics in both continuous and non-continuous assessment. The delivery and defense of the written work will be in groups in the continuous evaluation format and individually in the non-continuous evaluation format.

Portfolio assessment	20.00%	20.00%	2 points on the final mark (2 points out of 10). In the continuous assessment format, it consists of the development of a weekly practice or knowledge test, which will be carried out individually or in groups, through group dynamics, in theoretical classes. In the evaluation format does not continue, it will consist of a notebook-memory in which the student must develop a brief written work for each of the subjects of the subject. In each of these works, a review of the state of the art on the content of the topic should be developed, a summary of two related bibliographic resources and a practical application adjusted to the content of the topic should be made.
Assessment of problem solving and/or case studies	20.00%	20.00%	2 points on the final mark (2 points out of 10). In the continuous evaluation format, it will consist of the development of workshops adjusted to real or hypothetical situations. These works will have individual or group format and will be developed during the practical classes. In the non-continuous evaluation format, it will consist of the development of workshops adjusted to real or hypothetical situations. These works will have individual format.
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

Evaluation criteria for the final exam:

Continuous assessment:

It will be necessary for the student to achieve at least a 4 out of 10 in the final multiple choice test, so that the rest of the sections of the subject are taken into account. In the event that this score is not reached, the approved parts will be saved for the extraordinary call.

In continuous evaluation, the evaluation tests (activities) of the portfolio section will be developed during the theoretical classes. The activities in the problem or case resolution section will be carried out both individually and in groups, during practical classes. The final work will be developed in groups.

During the development of the subject, all evaluation activities will be scored from 0 to 10. To know the score for the final grade, it must be weighted based on the percentage of the activity, as they appear in the criteria table evaluation. The course will be passed if a total of 5 or more points is obtained among all the sections, taking into account the previous requirements.

Non-continuous evaluation:

It is considered that the student becomes part of the evaluation and does not continue at the same time that any of the following circumstances occurs before the end of the class period:

1. You have not submitted 50% of the portfolio activities in the continuous evaluation format.
2. You have not delivered 50% of the activities in the problem or case resolution section in the continuous evaluation format.

At the moment that a student goes to the non-continuous evaluation format, he must take advantage of the non-continuous evaluation version in all parts of the evaluation system.

In the case of group assignments or practices, the student will automatically cease to be part of that group (unless the rest of the members indicate otherwise). The group will not be affected in a negative way under any circumstances, being able to continue the work with the rest of the members and being able to take full advantage of all the work done so far. The student who goes to the non-continuous evaluation format will have to develop a new work individually.

In any case, it will always be necessary for the student to achieve at least a 4 out of 10 in the final multiple choice test, so that the rest of the sections of the subject are taken into account. In the event that this score is not reached, the approved parts will be saved for the extraordinary call. In this case, the final mark will only count the mark of the final multiple choice test.

During the development of the subject, all evaluation activities will be scored from 0 to 10. To know the score for the final grade, it must be weighted based on the percentage of the activity, as they appear in the criteria table evaluation. The subject will only be considered passed if a total of 5 or more points is obtained among all the sections, taking into account the previous requirements.

Specifications for the resit/retake exam:

The grade for the sections approved in the ordinary call will be saved for the extraordinary call (exclusively for the same academic year). It will be necessary to repeat only the suspended sections in extraordinary call. In any case, it is mandatory to obtain at least a 4 out of 10 in the final multiple choice test, so that the rest of the sections are taken into account for the final grade. In this case, the final mark will only count the mark of the final multiple choice test.

Specifications for the second resit / retake exam:

There will be a single theoretical-practical exam of the contents that make up the subject.

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
Hours	hours

Final test [PRESENCIAL][Assessment tests]	4
Unit 1 (de 10): Classification of sports facilities	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 01-02-2022	End date: 07-02-2022
Unit 2 (de 10): Management of sports facilities	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 08-02-2022	End date: 15-02-2022
Unit 3 (de 10): The management project of a sports facility	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 16-02-2022	End date: 28-02-2022
Unit 4 (de 10): Key aspects in the design of sports facilities	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 01-03-2022	End date: 08-03-2022
Unit 5 (de 10): Fields and tracks	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 09-03-2022	End date: 21-03-2022
Unit 6 (de 10): Swimming pools	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 22-03-2022	End date: 29-03-2022
Unit 7 (de 10): Sport centers	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 30-03-2022	End date: 19-04-2022
Unit 8 (de 10): The integration of sports spaces in the urban environment	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 20-04-2022	End date: 02-05-2022
Unit 9 (de 10): Technology and connectivity in sports facilities	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	3
Study and Exam Preparation [AUTÓNOMA][Self-study]	3

Group 40:	
Initial date: 03-05-2022	End date: 10-05-2022
Unit 10 (de 10): User orientation in sports facilities	
Activities	Hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	1
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	1
Study and Exam Preparation [AUTÓNOMA][Self-study]	3
Group 40:	
Initial date: 11-05-2022	End date: 10-06-2022
Global activity	
Activities	hours
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	28
Study and Exam Preparation [AUTÓNOMA][Self-study]	30
Final test [PRESENCIAL][Assessment tests]	4
Class Attendance (theory) [PRESENCIAL][Guided or supervised work]	28
Writing of reports or projects [AUTÓNOMA][Combination of methods]	60
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Puig-Barata, N.; Camps-Povill, A.	Diálogos sobre deporte (1975-2020) https://inefc.gencat.cat/web/.content/07_observatori/publicacions/estudis/e-book-Dialogos.pdf	INDE	Barcelona	978-84-9729-387-7	2020	
García-Fernández, J.; Sañudo Corrales, B.	Dirección e innovación en la industria del fitness	Wanceulen	Sevilla	8499932215	2011	
Fernández-Luna, J.; Gallardo, L.	Las piscinas en 360º https://publicaciones.uclm.es/piscinas-en-360-o-consejos-y-propuestas-para-su-correcto-diseno-mantenimiento-y-explotacion/	UCLM	Cuenca	978-84-9044-139-8	2015	
Gallardo, L.	Censo Nacional de Instalaciones Deportivas https://www.csd.gob.es/es/csd/instalaciones/censo-nacional-de-instalaciones-deportivas	CSD	Madrid	978-84-7949-150-5	2005	
García-Unanue, J.; Felipe, J.L.; Gallardo, L.	Herramienta de ayuda para la gestión económica de los servicios deportivos http://www.diegomarin.net/uclm/es/otros/1243-herramienta-de-ayuda-para-la-gestion-economica-de-los-servicios-deportivos-9788490440537.html	UCLM	Cuenca	9788490440537	2013	
Rodríguez-Romo, G.; Mestre-Sancho	El Gestor Deportivo y las Instalaciones Deportivas https://www.inde.com/es/productos/detail/pro_id/283	INDE	Barcelona	9788497291071	2007	
UCLM e IBV	El césped artificial, la revolución del pavimento en el fútbol http://igoid.uclm.es/Libros/Libro_cesped_artificial.pdf	IBV	Valencia	978-84-95448-23-1	2010	
Gallardo, L. et al.	Acciones innovadoras para instalaciones deportivas http://igoid.uclm.es/Libros/Acciones_Innovadoras_Instalaciones_Deportivas.pdf	IGOID	Toledo	978-84-608-4685-7	2014	
Russell Hoyer, Aaron C.T. Smith, Matthew Nicholson, Bob Stewart	Sport Management Principles and Applications https://www.routledge.com/Sport-Management-Principles-and-Applications/Hoyer-Smith-Nicholson-Stewart/p/book/9780815385165	Routledge		9780815385165	2018	
Eric C. Schwarz, Hans Westerbeek, Dongfeng Liu, Paul Emery, Paul Turner	Managing Sport Facilities and Major Events	Routledge		9781138658615	2016	