

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

Code: 44203
Name: Sports nutrition
Cycle: Master's Degree
ECTS Credits: 7
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2194 - Master's Degree in Personal and Community Nutrition	Facultat de Farmàcia i Ciències de L'alimentació	1	First quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
2194 - Master's Degree in Personal and Community Nutrition	Nutrició deportiva	COMPULSORY

COORDINATION

SORIANO DEL CASTILLO JOSE MIGUEL

SUMMARY

Students will learn and apply the measurements applied in kinanthropometry and body composition, and skills to make a global assessment of the sport techniques; including stress testing, flexibility, endurance, speed, nutritional assessment and detection of eating disorders. Furthermore, the student will study the used ergogenic aids in sport, and hydration and dehydration, along with an overview of sports, functional and energy drinks will be considered.

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

Not applicable

COMPETENCES / LEARNING OUTCOMES



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Adquirir el conocimiento que permita actuar en respeto a los derechos fundamentales y a los principios de igualdad.

Conocer las diferentes ayudas ergogénicas.

Contemplar en conjunto y tener en cuenta los distintos aspectos y las implicaciones en los distintos aspectos de las decisiones y opciones adoptadas, sabiendo elegir o aconsejar las más convenientes dentro de la ética, la legalidad y los valores de la convivencia social.

Elaborar y manejar los escritos, informes y procedimientos de actuación más idóneos para los problemas suscitados y utilizando un lenguaje no sexista.

Estudiar puntos anatómicos, proporcionalidad y composición corporal en el marco de la cineantropometría y la antropometría.

Know how to work in multidisciplinary teams reproducing real contexts and contributing and coordinating their own knowledge with that of other branches and participants.

Planificar, ordenar y encauzar actividades de manera que se eviten en lo posible los imprevistos, se prevean y minimicen los eventuales problemas y se anticipen sus soluciones.

Planificar estrategias de intervención para hidratar.

Planificar por disciplinas deportivas las estrategias de intervención dietética.

Proyectar sobre problemas concretos sus conocimientos y saber resumir y extraer los argumentos y las conclusiones más relevantes para su resolución.

Ser capaces de obtener y de seleccionar la información y las fuentes relevantes para la resolución de problemas, elaboración de estrategias y asesoramiento a clientes.

Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.

Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.

Students should demonstrate self-directed learning skills for continued academic growth.

Students should possess and understand foundational knowledge that enables original thinking and research in the field.

Utilizar las distintas técnicas de exposición oral, escrita, presentaciones, paneles, etc., para comunicar sus conocimientos, propuestas y posiciones y teniendo en cuenta un lenguaje integrador e igualitario.



DESCRIPTION OF CONTENTS

2. Sport Nutrition

Kineanthrometry and body composition
 Stress testing: Design and Interpretation
 Mechanical, psychological, physiological and phytotherapeutic aids: An ergogenic approach
 Pharmacological aids used in sports
 Are there nutritional ergogenic aids useful?
 Planning and scheduling the exercise
 Tests for the assessment of muscular and cardio-respiratory endurance: theory and practice
 Tests for the assessment of the strength and speed: theory and practice
 Hydration and dehydration in sport
 Sports and energy drinks and functional
 Planning dietary aerobic and anaerobic sports
 Eating disorders in sport

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	6,00
Theory	18,00
Seminar	6,00
Other activities	8,00
Computer classroom practice	4,00
Classroom practices	15,00
Total hours	57,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	6,00
Individual or group project	6,00
Independent study and work	26,00
Preparation of lessons	80,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
Total hours	118,00

TEACHING METHODOLOGY



- Lectures, participatory lecture
- Resolution of case studies and case reports
- Seminars
- Project Development
- Project Rating
- Tour companies and NGOs
- Debate and discussion
- Expert Conference
- Working Group

In addition, the contents of the module will be related to the Sustainable Development Goals (SDG). This is intended

EVALUATION

A written test will be carried out at the end of each semester on the contents taught in the module sessions to guarantee knowledge and understanding of these.

It will be necessary to obtain a 5 or more in the final grade to consider the subject passed.

This evaluation will represent **100%** of the final grade for the subject.



REFERENCES

- Rodríguez, V.M.; Urdampilleta, A. Nutrición y dietética para la actividad física y el deporte. Ed. Netbiblo. 2014
- Burke, L. Nutrición en el Deporte. Editorial Médica Panamericana. 2010
- Cabañas, M.D.; Esparza, F. Compendio de cineantropometría. CTO editorial. 2009
- Bernardot, D.; Nutrición deportiva avanzada. Editorial Tutor. 2007
- Villa J.G.; Córdoba, A.; González, J.; Garrido, G. Nutrición del deportista. Editorial Gymnos. 2000.
- González, J.C. Ayudas ergogénicas y nutricionales. Editorial Paidotribo. 2006
- González, J.; Sánchez, P.; Mataix, J. Nutrición en el deporte. Ayudas ergogénicas y dopaje. Editorial Díaz de Santos. 2006.
- Pascual, C.M. Manual de cineantropometría. Nexus Medica. 2017.
- Norton, K.; Eston, R. Kinanthropometry and Exercise Physiology. Routledge. 2018.