COURSE DATA

DATA SUBJECT

Code: 44199
Name: Research techniques
Cycle: Master's Degree
ECTS Credits: 15
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2194 - Master's Degree in Personal and Comunity 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 Comunity Nutrition	Técnicas de investigación	ELECTIVES

COORDINATION

SORIANO DEL CASTILLO JOSE MIGUEL

SUMMARY

The objective of the Technical Research module is to enable / as students taking the research orientation, obtain the skills necessary for conducting research work.
The module Research Techniques to prepare critically evaluate and learn to use and apply information sources related to clinical nutrition, sports nutrition and food and society.
Basic training for research activity shall be provided with the ability to formulate hypotheses, collect and interpret information to solve problems according to the scientific method, understanding the importance and limitations of scientific thought in nutritional and lifestyle.
Research activities include 375 hours equivalent to three months of experimental work. The work may also be of bibliographical research with a commitment equivalent.
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PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

COMPETENCES / LEARNING OUTCOMES

2194 - Master's Degree in Personal and Comunity Nutrition

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

Capacidad para el manejo de, artículos, documentos científicos y fuentes jurídicas (legales, jurisprudenciales y doctrinales) y éticas entorno a la nutrición, alimentación y el ejercicio profesional.

Capacidad para formular preguntas (objetivos e hipótesis) de investigación en alimentación y nutrición humana.

Conocer y aplicar los conocimientos y competencias adquiridas en el ámbito profesional en nutrición y alimentación.

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.

Desarrollar y redactar resultados y/o publicar trabajos científicos en Nutrición.

Diseñar estrategias metodológicas para responder a preguntas de investigación.

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

Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study.

Know how to communicate your conclusions (and the underlying knowledge and reasons) to both specialist and non-specialist audiences in a clear and unambiguous way.

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

Llevar a término la secuencia global (diseño, ejecución y análisis) para el estudio cuantitativo y estadístico de resultados de investigación.

Participate in, lead and coordinate debates and discussions, be able to summarize them and extract the most relevant conclusions accepted by the majority.

Proyectar sobre problemas concretos sus conocimientos y saber resumir y extractar 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 possess and understand foundational knowledge that enables original thinking and research in the field.

To be able to integrate knowledge and face the complexity of formulating judgments from information that,

being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.

DESCRIPTION OF CONTENTS

4. Research techniques

Research methodology (hypothesis, finding sources, presentation of arguments and scenario).
Scientific information on personalized and community nutrition. Sources of information.
Libraries and documentation centers. Catalogs.
Databases. Accumulation and information retrieval.
The bibliographic reference.
bibliometric indicators.
Development of a research project and formal aspects of scientific papers related to personal and community nutrition.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	0,00
Other activities	0,00
Laboratory	0,00
Graduation project	150,00
Total hours	**150,00**

NON PRESENCIAL ACTIVITIES

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

TEACHING METHODOLOGY

Development and evaluation of projects.
In addition, the contents of the module will be related to the Sustainable Development Goals (SDG). This is intended to provide students with knowledge, skills and motivation to understand and address these SDGs, while promoting reflection and criticism.

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EVALUATION

The activities carried out by the students during the period of development of the selected work together with the tutor will be assessed by the assigned academic tutor.
A final report will be presented.
The grade of academic professor will count for 100% of the grade.

REFERENCES

- Las derivadas de las búsquedas bibliográficas de artículos científicos de revisión y experimentales de la temática seleccionada en las bases de datos, relativas a las actividades del trabajo.