

**COURSE DATA****Data Subject**

Code	33967
Name	Communitary Nutrition
Cycle	Grade
ECTS Credits	6.0
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. year	Period
1205 - Degree in Human Nutrition and Dietetics	Faculty of Pharmacy and Food Sciences	4	First term
1211 - Double Degree in Pharmacy and Human Nutrition and Dietetics	Faculty of Pharmacy and Food Sciences	6	First term

Subject-matter

Degree	Subject-matter	Character
1205 - Degree in Human Nutrition and Dietetics	26 - Community nutrition	Obligatory
1211 - Double Degree in Pharmacy and Human Nutrition and Dietetics	1 - Asignaturas obligatorias del PDG Farmacia-Nutrici3n Humana y Diet3tica	Obligatory

Coordination

Name	Department
ESTEVE MAS, MARIA JOSE	265 - Prev. Medicine, Public Health, Food Sc.,Toxic. and For. Med.
MADRID MAÑEZ, ELENA	265 - Prev. Medicine, Public Health, Food Sc.,Toxic. and For. Med.
TEJERIZO PEREZ, MARIA LUISA	265 - Prev. Medicine, Public Health, Food Sc.,Toxic. and For. Med.



SUMMARY

Community Intervention. Responsible consumption. Identifying nutritional problems in the community. Methods of study in Community Nutrition. Evaluation in Community Nutrition Programs. Catering. Nutrition information to consumers. Nutritional counseling in primary care. Cultural diversity and food. Patterns and dietary advice for migrant populations in the host country.

From the subject, it is intended to incorporate the student body in an education process that includes a broad set of knowledge, values, attitudes and skills related to the concepts of sustainability, contributing to the scope and implementation of the Sustainable Development Goals (SDG). Different objectives will be worked on in the subject, as well as with a strong anchoring in the defense of human rights, gender equality and the empowerment of women.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

We recommend having studied the materials of Statistics, Physiology, Nutrition and Dietetics

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

1205 - Degree in Human Nutrition and Dietetics

- Realizar la comunicación de manera efectiva, tanto de forma oral como escrita, con las personas, los profesionales de la salud o la industria y los medios de comunicación, sabiendo utilizar las tecnologías de la información y la comunicación especialmente las relacionadas con nutrición y hábitos de vida.
- Reconocer los elementos esenciales de la profesión del dietista-nutricionista, incluyendo los principios éticos, responsabilidades legales y el ejercicio de la profesión, aplicando el principio de justicia social a la práctica profesional y desarrollándola con respeto a las personas, sus hábitos, creencias y culturas, con perspectiva de género.
- Recognise one's own limitations and the need to maintain and update professional competence, with particular emphasis on independent and lifelong learning of new facts, products and techniques in the field of nutrition and food, and on motivation for quality.
- Desarrollar la profesión con respeto a otros profesionales de la salud, adquiriendo habilidades para trabajar en equipo.
- Know, judge and know how to use and apply the sources of information related to nutrition, food, lifestyles and health.



- Adquirir la formación básica para la actividad investigadora, siendo capaces de formular hipótesis, recoger e interpretar la información para la resolución de problemas siguiendo el método científico, y comprendiendo la importancia y las limitaciones del pensamiento científico en materia sanitaria y nutricional.
- Conocer y manejar la terminología básica de nutrición comunitaria.
- Conocer las organizaciones y los sistemas de salud nacionales e internacionales, así como las políticas de salud.
- Participar en el análisis, planificación, intervención y evaluación de estudios epidemiológicos y en programas de intervención en alimentación y nutrición en diferentes áreas.
- Design and conduct nutritional assessments to identify the needs of the population in terms of food and nutrition, and identify the determinants of nutritional health.
- Design, intervene in and implement programmes and policies of education and training in diet and nutrition.
- Colaborar en la planificación de políticas alimentarias- nutricionales para la educación alimentaria y nutricional de la población.
- Asesorar y consensuar modificaciones en la composición del menú y modo de preparación de los aportes dietéticos con los responsables de empresa de restauración colectiva, restaurantes, comedores sociales, comedores escolares, comedores de empresa y cocina hospitalaria.
- Encourage and participate in the initiatives carried out by the media as regards diet and health.
- Know the application of programmes for monitoring the state of health from the collective point of view and as a strategy for the control of nutritional quality and food safety.
- Study the process of globalisation, nutrition transition and social development in developing countries as a guideline for action on social and international community nutrition.
- Know about the cultural and religious diversity as a point for action on nutrition.
- Estudiar las diferentes comunidades que son acogidas en nuestro país, como punto de partida del estudio del patrón nutricional de las comidas y de las adaptaciones alimentarias que hay que tener en cuenta de acuerdo a sus creencias religiosas.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

Pursuant to the subject of food, the evaluation of the learning of knowledge, competences and skills shall be effected in the form of assessment continued throughout the course. Shall be considered as assessable parameters:

(a) realization of individual and/or collective memories of exercises relating to the various activities in the classroom, the laboratory and computer room, which will assess the acquisition of skills and attitudes defined ad hoc for the subject as well as the work carried out by the student and the acquisition of procedures and basic concepts;



(b) paper written in which will assess the level of general knowledge of theoretical concepts and procedures presented for each topic;

(c) attitude of the student, assessable from the collective and individual tutorials, practical classes and seminars displayed and discussed in the classroom.

Pursuant to the subject of food, the evaluation of the learning of knowledge, competences and skills shall be effected in the form of assessment continued throughout the course. Shall be considered as assessable parameters:

(a) realization of individual and/or collective memories of exercises relating to the various activities in the classroom, the laboratory and computer room, which will assess the acquisition of skills and attitudes defined ad hoc for the subject as well as the work carried out by the student and the acquisition of procedures and basic concepts;

(b) paper written in which will assess the level of general knowledge of theoretical concepts and procedures presented for each topic;

(c) attitude of the student, assessable from the collective and individual tutorials, practical classes and seminars displayed and discussed in the classroom.

DESCRIPTION OF CONTENTS

1. Nutrition policy

1.1. Nutrition policies. Organizational structure of food policies. Elements that integrate nutrition policies. Intervention strategies. Planning, monitoring and evaluation.

2. Nutritional Epidemiology

2.1. Evaluation in community nutrition. Food consumption at national and household levels. Validity and accuracy. Advantages and disadvantages.

2.2. Information system and nutritional surveillance

3. Nutrition education

3.1. Planning and design of community nutrition programs. Steps in program planning. Methods of identifying problems and needs.

3.2. Evaluation of community nutrition programs.

3.3 Nutrition education performance in different activity fields.

3.4. Nutrition education in vulnerable groups.

**4. Catering**

- 4.1. Catering in pre-school, school and university centers.
- 4.2. Catering in nursing homes and social support at home
- 4.3. Catering in the workplace
- 4.4. Catering in hospital centers.
- 4.5. Catering in vulnerable groups: social canteens

5. Dietary and nutritional advice

- 5.1. Dietary and nutritional advice in primary care

6. Social communication in nutrition and food

- 6.1. Nutritional labeling and consumer information
- 6.2. Community nutrition and social media.

7. Laboratory class

- 7.1. Design and planning of nutritional intervention programs

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	42,00	100
Computer classroom practice	10,00	100
Seminars	2,00	100
Tutorials	2,00	100
Development of group work	10,00	0
Development of individual work	10,00	0
Study and independent work	15,00	0
Readings supplementary material	5,00	0
Preparation of evaluation activities	10,00	0
Preparing lectures	10,00	0
Preparation of practical classes and problem	12,00	0
Resolution of case studies	8,00	0
Resolution of online questionnaires	10,00	0
TOTAL	146,00	



TEACHING METHODOLOGY

During the activities, both theoretical and practical, examples of applications of the subject's contents in relation to the Sustainable Development Goals (SDG) will be indicated.

The development of the course is structured in:

Theory classes: carried out in weekly sessions of one hour. In total 42 sessions of an or two hours are necessary to cover this facet teaching. Master class will be used in theory classes. The teacher will present the most relevant content on the subject, using audiovisual media necessary for quick and consistent development of the same. The teacher will leave accessible in advance on the platform of teaching "Virtual Classroom", the necessary material support for proper follow-up of theory classes. The theoretical classes enable notably the acquisition of knowledge, and to a lesser extent contribute to the acquisition of procedures and attitudes. The Professor will monitor the assistance to them.

Practical laboratory sessions: are compulsory. Carried out in two sessions of 4.5 hours. During the session will have to make a script of the "Notebook of practices" sessions, with a short theoretical introduction of them and the detailed protocol. Practical classes contribute primarily to the acquisition of skills, and to a lesser extent to the attitudes and knowledge.

Seminars: They are compulsory for students who are enrolled. Two coordinated seminars will be conducted on topics and format proposed by the students and agreed with the teacher, following the guidelines on coordinated seminars available at the web page of the Faculty. The development of the seminar will be monitored through tutorials, to be agreed between the teacher and students. The seminars will be presented in writing and submitted by students. After the oral presentation speaking time will the other students, moderated by the teacher. During the development of the coordinated seminars, the inclusion of specific objectives for one or more SDGs will be considered.

In the case of DG Pharmacy and NHD students, as they do not have their own group, the "seminars coordinated" will be included in the NHD degree.

Tutorials: Are compulsory attendance i students will come to them in organized groups and will be in total 2 evenly distributed at the beginning, middle and end of the semester. The duration of these tutorials will be 1 hour. In them, Professor will evaluate the learning process of students in a global manner and guide students on the methods of work more useful for the resolution of problems that might arise. Equally, the tutorials will serve to resolve all doubts that have been able to arise over the theoretical and practical classes.

Tasks: throughout the course the student will arise a number of practical issues and problems

EVALUATION

Pursuant to the subject of Dietetics, the evaluation of the learning of knowledge, competences and skills shall be effected in the form of assessment continued throughout the course. Shall be considered as assessable parameters:



- a) realization of memories individual and/or collective exercises relating to various activities in classroom, classroom computer and in the laboratory, which will evaluate the acquisition of skills and attitudes defined ad hoc for the matter, as well as the work carried out by the student and the apprehension of procedures and basic concepts,
- b) paper written in which will assess the degree of knowledge of theoretical concepts and procedures submitted
- c) attitude of the student (valuable from the collective and individual tutorials, practical classes and seminars displayed and discussed in the classroom),
- d) tasks and problems, and e) attendance.

The evaluation will be distributed as follows:

-acquisition of theoretical concepts and written tests.

-Practical sessions and case studies will contribute to the final note, considering the following points in its evaluation: student attitude, preparation of reports and reports and written tests.

-Preparation of seminars: written work and exhibition (will evaluate the scientific content of the work, and the ability of exhibition and debate with professors and classmates) and capacity for integration in the working group.

The evaluation of the learning of knowledge and skills gained by the students, will be continuously throughout the course. An assessment of the attitude, result from direct contact with the students during the classes of theory, seminar and tutorials, with an assessment of the knowledge acquired from resolution of issues in writing and in class, work and seminars carried out by the students, and tests for review will be combined.

To adopt the subject it is necessary to have obtained a minimum of 5 on 10 and adopt score separately each of the parties, following the quoted criterion.

Evaluation of the theoretical content and the realization of practical issues: the outcome of this evaluation will be 5 points in the final grade for the course.

Evaluation of tasks: the tutoring will qualify with 2.5 points. This rating will take into account the resolution of the proposed tasks and class assistance.

Evaluation of tutorial: the tutoring will qualify with 0.5 points. This rating will take into account the resolution of the proposed tasks and assistance.



Evaluation of the laboratory practical classes: the qualification obtained from this evaluation of the realization of practical issues will be 1.0 point in the final grade of the course.

It will assess the level of understanding of content and skills for presentation and discussion.

Evaluation of the seminar: The seminar will contribute a maximum of 1.0 point to the final of this subject. It will assess the interdisciplinary work, both the scientific content of the work, as the work of preparing the same and the ability to publicly expose and discuss with the teacher and peers as well as their integration into the group. It will also consider assistance to them.

In the event that the student surpasses tutorials and seminars, but do not make the theory or practical test, the rating will **not Presented** at the *first call* of course, but the *second convocation* of the course and following, the rating will be **Suspend**.

In the case of failing the course in the **first call** will save the mark obtained in interdisciplinary work, practical classes and tutorials to the second call.

In the case of failing the course in second call, the **labs** should not be repeated during the two years following.

For the **seminars**, students will keep repeating the semester grade and course during the academic year in which he performed and 2 years later. Elapsed this period, the student must take back the workshops that apply. This does not exempt to attend seminars conducted by their classmates.

The **repeating students of the subject** must attend again the **tutorials** in the second and subsequent registrations, NOT keeping attendance or previous notes.

REFERENCES

Basic

- Aranceta J. Nutrición comunitaria. 2ª ed, Masson. Barcelona. 2001
- Food and Nutrition Board NRC (National Research Council) Recommended Dietary Allowances, 10 ed Washington DC National Academy Press, 1989
- Martínez JA, Astiáran I y Madrigal H. alimentación y Salud Pública, 2ª ed. McGraw-Hill/interamericana. Madrid. 2002
- Mataix J Quiles JL Rodríguez Huertas J. Aporte de grasa. En Guías alimentarias para la población Española. Madrid Soc Esp Nut Comunitaria (SENC) 2001, 231-237
- Martí-Henneberg C, Capdevilla F Ingesta alimentaria y nutricional de niños y adolescentes en España En Tojo Ed Tratado de Nutrición Pediátrica Barcelona Doyma 2001, 5, 57-71
- Serra L, Aranceta J Objetivos nutricionales para la población española. Consenso de la Sociedad Española de Nutrición Comunitaria. En: Guías Alimentarias para la población española. Madrid .Sociedad Española de Nutrición Comunitaria (SENC) 2001,345-351.



- Serra L, Ribas L, Román B. Recomendaciones sobre la ingesta de hidratos de carbono en la población española. En: Guías alimentarias para la población española Madrid Sociedad Española de Nutrición Comunitaria (SENC) 2001,239-248
- Serra L, Aranceta J Nutrición y Salud Pública. 2ª ed. Masson. Barcelona. 2006
- Soriano JM. Nutrición Básica humana. S Publicaciones Univ de Valencia. Valencia. 2006
- Sociedad Española de Nutrición Comunitaria. Documento de Consenso: Guías Alimentarias para la población española. SG. Editores. Barcelona 1995

Additional

- bisaludpublica@jet.es Unidad de Nutrición Comunitaria Bilbao
- senba@retemail.es Sociedad Española de Nutrición Básica y Aplicada
- unitariwww.nutricioncoma.com Sociedad Española de Nutrición Comunitaria SENC

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

1. Contents

The contents initially included in the teaching guide are maintained.

2. Volume of work and temporal planning of teaching

Maintains the weight of the distinct activities that sum the hours of dedication at credits ECTS marked at the original educational guide.

3. Teaching methodology

- **Theoretical teaching:** it will be carried out through synchronous sessions (synchronized videoconferences on the BBC, or other technology indicated by the Center) and face-to-face. The distribution of the students will be done by groups, so that 50% will be in the Faculty classroom while the other 50% will connect online, alternating their attendance by weeks. The class will always be held following the schedule (date and time) approved by the Center Board.

- **Tutorials:** They will all be face-to-face according to the dates set by the course calendar.



- Seminars: They will all be face-to-face according to the dates set by the course calendar.
 - Practices: if it is necessary to reduce the presence of the student to 50% in the laboratory, with audiovisual media support through the virtual classroom. If due to health circumstances the attendance is canceled, the practices are adapted with the audiovisual media (videos, synchronous videoconference, supervised activities, ...).
 - Program of tutorialship. It maintains the program of tutorialship virtual (attention at 48 working hours maxima for e-mail). It utilises forum or the chat of the virtual classroom to attend the doubts, videoconferences and e-mail.

If a state of total confinement were to occur, all face-to-face teaching would be carried out online. In this case, replacement of the face-to-face class for the videoconference (synchronous sessions), also facilitates the ones the presentation so that they can discharge the slides and facilitate his survey.

It tracks with the dynamics tracked lasting the period of face-to-face teaching with activities and problems proposed as a tasks, workshops, questions, feedback (available tools at the “virtual Classroom”) that permit to meet the survey and learning of the pupil. At the case of exercises or problems, facilitates the ones the resolution at which appends him audio to facilitate the realization.

4. Evaluation

If the evolution of the pandemic allows it, it will be face-to-face and in the terms indicated in the teaching guide. Only in the event that this is not possible, the assessment will be conducted through the virtual classroom using an online questionnaire with single-choice questions.

The relative weight of the theory and seminars is maintained as indicated in the teaching guide.