



## COURSE DATA

### Data Subject

<b>Code</b>	43767
<b>Name</b>	Family care and new technology
<b>Cycle</b>	Master's degree
<b>ECTS Credits</b>	6.0
<b>Academic year</b>	2023 - 2024

### Study (s)

Degree	Center	Acad. year	Period
2170 - Master's Degree in Social Welfare: Family and Intervention	Faculty of Social Sciences	1	Second term

### Subject-matter

Degree	Subject-matter	Character
2170 - Master's Degree in Social Welfare: Family and Intervention	3 - Family care and new technology	Obligatory

### Coordination

Name	Department
RODENAS RIGLA, FRANCISCO JOSE	350 - Social Work and Social Services

## SUMMARY

The subject "Family care and new technologies" of 6 ECTS credits allow students to learn new technology tools and methodologies to address the needs of long-term care from the family. In the teaching of this subject are involved professors from the departments of Social Work and Social Services, Nursing and Electronic Engineering from the University of Valencia.

The course is divided into three thematic units. In the first, we analyze the tools to make a comprehensive assessment of care needs at home, considering different factors of health and quality of life, and connects to the case management methodologies, as a starting point for developing individual care pathways, progressive and continuous, and coordination of health and social services in a unique portfolio. In the second unit examines the process of intervention, based on the care plan, and design of the home visit, which incorporates concepts such as 'patient safety', bioethics and dignified death. The third unit focuses on real solutions of ICT applied to long-term care. The new digital home, which extends beyond the concept of domotics or telemedicine can offer solutions for the care of patients with special needs, such as chronically ill or elderly. After evaluating the benefits and problems from the point of view social and bioethical, which may have these groups of people, we review commercial devices and technologies that



can help improve your health and quality of life.

At the end of the course, students will have the skills to respond to the needs of long-term care of people who are cared from the family.

## 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 required.

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

### 2170 - Master's Degree in Social Welfare: Family and Intervention

- 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 demonstrate self-directed learning skills for continued academic growth.
- Proyectar sobre problemas concretos sus conocimientos y saber resumir y extraer los argumentos y las conclusiones más relevantes para su resolución.
- Be able to access to information tools in other areas of knowledge and use them properly.
- Trabajar en equipos multidisciplinares reproduciendo contextos reales vinculados con el bienestar social y la intervención familiar, aportando y coordinando los propios conocimientos con los de profesionales de otras áreas, desde una posición crítica con carácter constructivo.
- Desarrollar la capacidad de iniciativa, pensamiento crítico y creatividad.
- Diseñar intervenciones individualizadas adaptadas a cada realidad.
- Gestionar y coordinar las diferentes respuestas que deben ofrecerse en cada situación individual.
- Tener capacidad de análisis y reflexión sobre situaciones, problemas y necesidades sociales que encierran/constituyen dilemas éticos.
- Elaborar estrategias de intervención que puedan implicar a los miembros de la familia, al sistema familiar, y a la red de relaciones de la familia.



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

- Provide tools and performance criteria within the family environment to satisfy the need of long term care that is required for dependent persons or chronically ill.
- Students will learn new intervention models and technological solutions to improve the quality of life of affected people, and their social environment.

## DESCRIPTION OF CONTENTS

### 1. Assessment and case management

- Comprehensive Assessment. To know comprehensive assessment systems, and multidisciplinary, for dependents or chronic patients, and their families, in order to promote their independence and autonomy.
- Case management and social and health care coordination. Theoretical models and professional profile of the case manager, as part of care for dependents or chronic patients. Professional intervention and appropriate use of best practices.

### 2. Care Plan (maintenance / prevention, rehabilitation, death with dignity)

- Social intervention and comprehensive health care addressed to people requiring long-term care and their families. The bioethical debate and the ethics of care, right to information and confidentiality.
- Prevention and comprehensive care at home, the home visit (technical and process), detection and control of risks.
- The support at the end of life, the grieving process and handling difficult situations. Experiences and reactions to significant losses, emotional competence as a key to the accompaniment of dependents.

### 3. Home care: sht & teleheath

- DIGITAL HOME AND DIGITAL SOCIETY Definitions: e-Health, telecare, telemedicine. Premises. Needings. Market analysis of Digital Home: trends and handicaps, consumers, agents, standards. Forecast and emerging trends. History of telemdicine. Benefits and limits. Health service, economical and social environments. Users and actors. E-inclusion. Independent Living filosophy.
- COMERCIAL DEVICES AND PROPRIETARY SYSTEMS General review. Devices for basic tasks. High end devices, Residential Gateways, User Interfaces, Inmotics, specific devices. Emmbded connectivity. Body Area Networks, Personal Area Networks, connectivity technologies in e-Health: WiFi, UMTS, GPRS, ADSL, Zigbee, Bluetooth,...
- HOME ASSISTANCE SYSTEMS Telemonitoring. Disease Management. Hospital at Home. Hardware/Doftware in Telemedicine. Telemonitoring devices. Medical Devices integration. Integral Management of Assistential Processes for Cronical Patients.

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Theory classes	35,00	100
Theoretical and practical classes	5,00	100
Other activities	5,00	100
Development of group work	5,00	0
Development of individual work	25,00	0
Study and independent work	20,00	0
Readings supplementary material	25,00	0
Preparation of evaluation activities	30,00	0
<b>TOTAL</b>	<b>150,00</b>	

**TEACHING METHODOLOGY**

The methodology used for the development of content is as follows:

- Participatory Master class (MD1).
- Discussion of papers and other readings (MD2).
- Resolution of case studies (MD3).
- Debate and Guided Discussion (MD4).
- Workgroup (MD5).
- Research and analysis of documentation (MD6).

**EVALUATION**

The attendance is a prerequisite for evaluation and must cover a minimum percentage of sessions (90%). Below this minimum, unless valid reasons, the student will not be evaluated. Weight on the final score: 10% (SE1).

The assessment of knowledge learning will be carried out through: a) the observation and recording of students' attitudes/participation in the development of tasks and activities related to the competences (SE2), and b) the elaboration of an individual work or report (SE5). The first of these will be assessed through group or individual tasks, not recoverable, carried out within the classroom sessions; whose weight on the final grade is 15%. In order to be able to assess these tasks, the student must have attended at least 90% of the sessions; if this criterion is not met, they will not be assessed. Finally, the individual work or memory will have a weight on the final grade of 75%. The assignments will be submitted in electronic format, through the virtual classroom, and the deadline for delivery will be the day set in the Master's calendar.



## REFERENCES

### Basic

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