



## COURSE DATA

### DATA SUBJECT

**Code:** 43767

**Name:** Family care and new technology

**Cycle:** Master's Degree

**ECTS Credits:** 6

**Academic year:** 2025-26

### STUDY (S)

Degree	Center	Acad. year	Period
2170 - Master's Degree in Social Welfare: Family and Intervention	Facultat de Ciències Socials	1	Second quarter, First quarter
2279 - Master's Degree in Social Welfare: Family and Intervention	Facultat de Ciències Socials	1	Second quarter, First quarter

### SUBJECT-MATTER

Degree	Subject-matter	Character
2170 - Master's Degree in Social Welfare: Family and Intervention	Family care and new technology	COMPULSORY
2279 - Master's Degree in Social Welfare: Family and Intervention	Cuidados familiares y nuevas tecnologías	COMPULSORY

### COORDINATION

RODENAS RIGLA FRANCISCO JOSE

## 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 / LEARNING OUTCOMES

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Act autonomously in learning, make informed decisions in different contexts, issue judgements based on experimentation and analysis and transfer knowledge to new situations.

Act autonomously in learning, make informed decisions in different contexts, issue judgements based on experimentation and analysis and transfer knowledge to new situations.

Advocate for knowledge that promotes the development of original approaches from social action within the spheres of family, minors and youth and in family care for people requiring support.

Apply deontological codes regarding the ethical implications of using new technologies in the context of social work with families, minors and young people, as well as in family care for people requiring support.

Apply models, methods and techniques of social work in interventions with individuals, groups, families and communities, in resolving problems within complex and multidisciplinary contexts.

Apply scientific and professional documentation sources, considering the use of new technologies.

Be able to access to information tools in other areas of knowledge and use them properly.

Be able to communicate effectively, both orally and in writing, adapting to the characteristics of the situation and audience.

Be able to interpret results derived from qualitative and quantitative data analysis in studies with families, adolescents and young people.

Be able to provide guidance in conflict and crisis situations. Enable the process of identifying problems and subjectively and collectively reconstruct situations and processes that generate suffering or significant difficulties for families.



Collaborate effectively in work teams, taking on responsibilities and leadership roles and contributing to collective improvement and development.

Contribute to the design, development and implementation of solutions that respond to social demands, considering the Sustainable Development Goals as a reference.

Contribute to the design, development and implementation of solutions that respond to social demands, considering the Sustainable Development Goals as a reference.

Create and lead work teams that contribute to the improvement and collective development of family intervention.

Define professional career paths and employment opportunities related to social work with families, minors and youth, and people requiring support.

Demonstrate critical and self-critical reasoning in the field of the degree, considering aspects such as professional ethics, moral value and the social implications of the different activities carried out.

Desarrollar la capacidad de iniciativa, pensamiento crítico y creatividad.

Describe strategies for disseminating and transferring research results and the systematisation of social work practice with families, minors and youth and in family care for people requiring support.

Design and develop processes of applied research and systematisation of professional practice in social work in the family sphere, applying suitable research methods and techniques to generate useful knowledge in family intervention.

Design research and/or intervention projects in social work within the spheres of family, minors and youth and in family care for people requiring support.

Determine the ethical implications arising from social work intervention in the spheres of family, minors and youth and in family care for people requiring support.

Diseñar intervenciones individualizadas adaptadas a cada realidad.

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.

Establish a gender perspective in the processes of intervention and research in the context of social work.

Gestionar y coordinar las diferentes respuestas que deben ofrecerse en cada situación individual.

Identify emerging challenges in social work within the spheres of family, minors and youth, and in family care for people requiring support.

Identify the needs for knowledge production in social work practice with families, minors and youth, and in family care for people requiring support.

Integrate current research models and techniques into the various levels of intervention related to the family environment.

Know and understand, within the area of the degree, inequalities based on sex and gender in society;



integrate different needs and preferences based on sex and gender into the design of solutions and problem-solving.

Know how to communicate conclusions and the knowledge and rationale behind them to both specialised and non-specialised audiences clearly and unambiguously.

Organise intervention processes related to social action in the spheres of family, minors and youth and in family care for people requiring support, in the community and in other contexts.

Prioritise family social intervention with groups and communities based on narrative methodologies.

Prioritise intervention in the complexity and diversity of family life and relationships.

Propose creative and innovative solutions to complex situations or problems within the field of knowledge to respond to diverse professional and social needs.

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

Search and select information from databases and scientific and professional documents related to family intervention and be able to synthesise and interpret it.

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.

Tener capacidad de análisis y reflexión sobre situaciones, problemas y necesidades sociales que encierran/constituyen dilemas éticos.

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.

Understand and comprehend, from the field of study, inequalities based on sex, gender and other axes of discrimination in society; integrate different needs and preferences in the design of solutions and problem-solving, considering these axes of discrimination

Understand the ethical implications of research or the systematisation of practice.

Update and rigorously and systematically test acquired knowledge, having the capacity to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study.

Use strategies for disseminating and transferring research results and systematisation of social work practice in the field of social work with families, minors and youth, and in family care for people requiring



support.

**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. Needsings. 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 philosophy.
- COMERCIAL DEVICES AND PROPRIETARY SYSTEMS General review. Devices for basic tasks. High end devices, Residential Gateways, User Interfaces, Inmotics, specific devices. Emmbeded 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**

**PRESENCIAL ACTIVITIES**

Activity	Hours
Theory	46,00
Theoretical and practical classes	7,00
Other activities	7,00



	<b>Total hours</b>	<b>60,00</b>
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### NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	30,00
Independent study and work	45,00
Preparation of lessons	0,00
Preparation for assessment activities	30,00
Resolution of case studies	0,00
<b>Total hours</b>	<b>105,00</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.



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