

## MASTER'S DEGREE IN MANUAL PHYSICAL THERAPY

### BASIC COMPETENCES:

- Acquisition and understanding of knowledge that provides a basis or opportunity for original development and/or application of ideas, often within a research context.
- Application of the knowledge acquired to solve problems in new or unfamiliar contexts within broader (or multidisciplinary) areas related to the student's field of study.
- Integration of knowledge and ability to tackle the complexity of forming opinions based on incomplete or limited information, including a consideration of the social and ethical responsibilities entailed in the application of knowledge and opinions.
- Ability to communicate conclusions, together with the knowledge and rationale underpinning these, clearly and unambiguously to the specialist and general public.
- Acquisition of the study skills necessary to continue learning through self-directed or independent study.

### GENERAL COMPETENCES:

- Capacity for analysis and synthesis.
- Organisational and planning skills.
- Ability to seek and analyse information in various sources.
- Capacity to make decisions.
- Capacity to apply acquired knowledge in changing environments.
- Ethical commitment.
- Capacity for critical thought and communication.
- Awareness of the need for lifelong learning and professional development.
- Capacity for correct expression in oral and written formats.

### SPECIFIC COMPETENCES:

- Exploration of the emotional and cognitive aspects of disease.
- Identification of the different ways of coping with disease.
- Analysis of the psychological factors of pain.
- Application of the principles of interpersonal communication.
- Evaluation of assessment skills to establish effective relationships.
- Use of personal resources to help prevent burnout.
- Ability to design a research project.
- Critical reading of scientific articles and technical literature.
- Application of ethical research principles.
- Use of basic statistical principles.
- Capacity to structure scientific texts in English.

- Knowledge of the fundamentals of manual physiotherapy applied to the musculoskeletal system.
- Use of manual physiotherapy assessment and treatment methods guided by critical reasoning.
- Identification of the structures and processes involved in musculoskeletal system disorders.
- Application of different manual therapy methods to treat musculoskeletal system disorders.
- Acquisition of the manual skills necessary to explore and treat musculoskeletal system disorders.
- Capacity to make decisions with respect to indications, progression and/or modifications in manual physiotherapy treatment.
- Command of invasive physiotherapy procedures (dry needling).
- Use of tools to manage visceral pain.
- Knowledge of the fundamentals of chronic pain and its treatment with physiotherapy.
- Capacity to conduct a research project.
- Use of a research diary.
- Defence in English of part of a research project.
- Presentation and defence before a committee of the implementation and results of a research project.
- Capacity to work in a team.
- Production of a scientific article.

For additional information, see the [Memorandum](#) .