

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Kinesitherapy
Module	Specific Training in Physiotherapy
Departmental Area	Social and Health Sciences
Semester	4º
Total credits	6
Course	2º
Character	Mandatory Training
Language of instruction	English

Teaching model. Classroom work:	C1
a. Basic Education (EB):	30 hours (50%)
b. Practical Education and Development (EPD):	30 hours (50%)
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated knowledge and understanding in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated by means of

the elaboration and defense of arguments and the resolution of problems within their area of study

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG01: Know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG03: Know y understand the methods, procedures y procedures and actions

physiotherapy, aimed both at the actual therapy to be applied to the patient and at the clinical activities for reeducation or functional recovery, as well as realization of activities aimed at the promotion and maintenance of health.

CG12: Intervene in the areas of health promotion, prevention, protection and recovery.

CG14: Incorporate the ethical and legal principles of the profession into professional practice as well as integrate social and community aspects in decision making.

CG17: Understand the importance of updating the knowledge, skills, abilities and attitudes

that integrate the professional competences of the physiotherapist CG19: Communicate effectively and clearly, both orally and in writing, with the users of the health system as well as with other professionals.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Mastering oral and written communication in the Spanish

language CT05: Computer skills related to the field of study CT06:

Information management skills

CT07: Problem-solving skills CT08: Decision-

making skills CT08: Decision-making skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relations

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning CT13:

To develop ethical commitment CT14:

Capacity for autonomous learning

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE22: Understand and perform specific methods and techniques related to the locomotor system (including manual therapies, joint manipulative therapies, osteopathy and chiropractic), neurological processes, respiratory system, cardiocirculatory system and static and dynamic alterations. Specific methods and techniques that take into account the implications of orthopedics in physiotherapy,

reflex therapy techniques, as well as other alternative and/or complementary methods and techniques whose safety and efficacy are proven according to the state of scientific development.

CE23: Understand ergonomic and anthropometric principles. Analyze, program and apply movement as a therapeutic measure, promoting the participation of the patient/user in the process.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

- The student identifies ergonomic and anthropometric principles and applies them to the field of kinesitherapy. Knows and applies movement and physical exercise as a therapeutic measure and designs neuromuscular reeducation programs.
- The student knows and applies specific kinesitherapy procedures aimed at treatment, prevention of disease and its sequelae, and health promotion, promoting patient/user participation in the process.

Contents

Kinesitherapy: concept, classifications and general principles. Active, passive, free, assisted and resisted kinesitherapy. Specific procedures in kinesitherapy: stretching, potentiation, proprioceptive neuromuscular facilitation, Kabat method, hydrokinesitherapy, kinesitherapy of the different body segments, kinesitherapy for gait reeducation, instrumental kinesitherapy: mechanotherapy, pulley therapy, autopassive techniques, etc.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline. Lectures, screenings, visits, etc. may also be included.	30	50%
Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.	30	50%

5. TEACHING METHODOLOGIES

METHODOLOGÍA

For practical and developmental lessons:

Participative lectures

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method of enhancing their critical capacity and their communicative skills in group.

For practical and developmental courses:

Laboratory practices

Exposure and presentation of the contents of the subject in an eminently practical and participative environment of the student through the explanation and demonstration of contents on the simulation of models, procedures and techniques of Kinesitherapy attending to the different pathologies, functional limitations and disabilities, working the student individually or in teams, with repetition of the models, with simulation of the professional role and group discussion. These activities will be performed in the Physiotherapy laboratory with specialized equipment.

Case studies and problem solving

Group exercises in which students will proceed to the exemplification, discussion and practical application of the procedures to be used in the theoretical-practical assumptions and clinical cases presented by the teacher, so that students develop their capacity for analysis and synthesis, as well as to evaluate the proposals of others and the defense of their own.

The exercises will be carried out in the course of the laboratory practicals. These exercises will be carried out in the course of the laboratory practices.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be made according to the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	40%-55%
Practical tests and oral tests on case studies and problem solving, and preparation and presentation of papers.	35%-50%
Participation in classroom activities	10%-15%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Diagnostic Imaging in Physical Therapy
Module	Compulsory Training at the Universidad Pablo de Olavide
Departmental Area	Social and Health Sciences
Semester	4º
Total credits	6
Course	2º
Character	Mandatory Training
Language of instruction	English

Teaching model. Classroom work:	C1
a. Basic Education (EB):	30 hours (50%)
b. Practical Education and Development (EPD):	30 hours (50%)
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the skills that are usually demonstrated through the development and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills

necessary to undertake further studies with a high degree of autonomy CG01: Know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.

CG05: Assess the patient's functional status, considering physical, psychological and social aspects

CG06: Diagnostic assessment of physiotherapy care according to internationally recognized validation standards and tools

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT05: Computer skills relevant to the field of study CT06: Information management skills

CT07: Problem-solving skills CT08: Decision-making skills

CT14: Capacity for autonomous learning

CT15: Ability to adapt to change and new situations CT16: Developing creativity

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE07: Identify anatomical structures as a knowledge base to establish relationships dynamically with functional organization.

CE08: To know the physiological and structural changes that may occur as a consequence of the application of physiotherapy.

CE10: To know the physiopathology of diseases, identifying the manifestations that appear along the process, as well as the medical-surgical treatments, mainly in their physiotherapeutic and orthopedic aspects.

CE11: Identify the changes produced as a consequence of the intervention of the physical therapy. user and family participation in your process of Promoting recovery

CE47: To know and understand the different current diagnostic imaging procedures.

CE48: Analyze and interpret images from radiology, computed tomography, magnetic resonance imaging, scintigraphy and ultrasound, especially of the musculoskeletal system.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

The student knows and understands the current diagnostic imaging techniques. The student, through the images offered by the different techniques, identifies, discriminates and describes human anatomical structures and their relationships with function, as a basis for their evaluation.

Contents

Generalities and effects of radiation. Imaging techniques: Nomenclature. Conventional radiology. Most common projections. Semiology for each of the organs and systems. Computerized axial tomography. Most common projections. Semiology for each of the organs and systems. Magnetic resonance imaging. Most common projections. Semiology for each of the organs and systems. Nuclear medicine. Most common projections. Semiology for each of the organs and systems. Ultrasound. Semiology for each of the organs and systems.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline. Lectures, screenings, visits, etc. may also be included.	30	50%
Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.	30	50%

5. TEACHING METHODOLOGIES

METHODOLOGY

For basic teachings Participative

master classes

Theoretical face-to-face classes taught by the teacher of the course for the development of the contents established in the teaching guide. These are classes expository lectures with the use of computer systems and projection. Student participation will be encouraged as a method to strengthen their critical capacity and group communication skills.

For practical and developmental training

Laboratory training

Exposure and presentation of the contents of the subject in an environment eminently practical and participatory learning by means of explanation and the demonstration of such content on imaging techniques with specialized equipment and on the interpretation of the images with group discussion.

Case studies and problem solving

Group exercises in which will be exemplified, discussion, and practical application of theoretical assumptions, problems and clinical cases. The exercises will be carried out by the teacher, so that the student develops his capacity of analysis and synthesis, as well as to value the proposals of others and the defense of his own, with the development of transversal competences and assimilation of contents and competences. These exercises will be carried out during the laboratory practices.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through lectures, laboratory practices, case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of computer applications, the evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be made according to the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	40%-55%
Practical tests and oral tests on case studies and problem solving and the preparation and presentation of papers.	35%-50%
Participation in classroom activities	10%-15%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Documentation and Research in Physical Therapy
Module	Compulsory Training at the Universidad Pablo de Olavide
Departmental Area	Social and Health Sciences
Semester	3º
Total credits	6
Course	2º
Character	Mandatory training
Language of instruction	Spanish

Teaching model. Classroom work:	A1
a. Basic Education (EB):	42 hours (70%)
b. Practical Education and Development (EPD):	18 hours (30%)
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Proficiency in oral and written communication in Spanish CT04:

Command of scientific literature in English CT05: Computer skills related to the field of study CT06: Ability to manage information

CT07: Problem-solving skills CT08: Decision-

making skills CT08: Decision-making skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning CT13:

To develop ethical commitment CT14:

Capacity for autonomous learning

CT15: Ability to adapt to change and new situations CT16: Developing creativity

CT17: Leadership capacity, initiative, entrepreneurial spirit

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE42: Mastering information search, storage and consultation techniques.

CE43: Disseminate and representation of knowledge through techniques and documentary systems

CE44: Analyze the concept of science, know and use the proper and plural language of science and scientists.

CE45: Understand and manage the most commonly used health research designs

CE46: Know and use the criteria and levels of evidence-based physiotherapy and develop the intellectual skills necessary to perform a critical analysis of the scientific literature

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

- The student uses Information and Communication Technologies (ICTs) as a tool for expression and communication, for access to information sources, as a means of archiving data and documents.
- The student knows and correctly uses the proper and plural language of science and scientists; knows and handles some of the most commonly used designs in health research and develops the intellectual skills necessary to perform a critical analysis of scientific literature.
- The student manifests learning skills that allow him/her to undertake further studies with a high degree of autonomy.

Contents

Principles of Documentation. Information and Documentation Techniques. Evidence-Based Physiotherapy. Databases in Physiotherapy and Health Sciences. The Research Project: its phases. Most common designs in Clinical and Epidemiological Research.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline. Lectures, screenings, visits, etc. may also be included.	42	70%
Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.	18	30%

5. TEACHING METHODOLOGIES

METHODOLOGÍA

For basic education: Participative

master classes.

Theoretical face-to-face classes taught by the teacher of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method to enhance their critical capacity and communication skills. In these sessions there will be a discussion of theoretical and practical assumptions on the subject matter explained in class.

For practical and developmental lessons:

Group work.

Carrying out group work, directed and proposed by the teacher of the course. The group work will be carried out in an eminently practical and participative environment, in order to certify the assumption of the contents seen in class and the achievement of the described competences. These group works will involve an exemplification or practical application of the theoretical assumptions developed in class by the teacher.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the training activities carried out during the period of teaching of the subject will be assessed, that is to say: the concepts and procedures transmitted by the teacher through the master classes and the realization of group work. Also will value the active participation of the student in the face-to-face activities of the subject.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be made according to the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	50%-65%
For practical and developmental training, practical tests: performance of electrical tests, functional capacities, vital capacity measurements, etc... Oral tests on case studies and problem solving, and preparation and presentation of papers.	30%-40%
Participation in classroom activities	5%-10%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Pharmacology and Orthoprosthesis Products
Module	Compulsory Training at the Universidad Pablo de Olavide
Departmental Area	Social and Health Sciences
Semester	4º
Total credits	6
Course	2º
Character	Mandatory Training
Language of instruction	English

Teaching model. Classroom work:	0
a. Basic Education (EB):	60 hours (100%)
b. Practical Education and Development (EPD):	-
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competences that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG13: Knowing how to work in professional teams as a basic unit in which to structure in a uni or multidisciplinary and interdisciplinary manner the professionals and other personnel of the care organizations.

CG16: Carry out the physiotherapeutic interventions based on in the care integrated health care that involves multiprofessional cooperation, integration of processes and continuity of care.

CG19: Communicate effectively and clearly, both orally and in writing, with users of the health care system as well as with other professionals.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Mastering oral and written communication in the Spanish language CT05: Computer skills related to the field of study CT06: Information management skills

CT07: Problem solving skills CT08: Decision making skills.

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning CT13:

To develop ethical commitment CT14:

Capacity for autonomous learning CT16: To develop creativity

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE10: To know the physiopathology of diseases, identifying the manifestations that appear along the process, as well as the medical-surgical treatments, mainly in their physiotherapeutic and orthopedic aspects.

CE36: To know and understand the behavior of drugs in the organism from Pharmacokinetics and Pharmacodynamics.

CE37: Know and describe the drug forms, routes and patterns of administration, adverse reactions and interactions. Analyze the problems that the use of drugs entails for the athlete.

CE38: Analyze and understand the rationale for pharmacological treatment of pathological conditions, especially pathologies requiring treatment.

physiotherapeutic, as well as pain and inflammation
CE39: To know and understand the fundamentals of the use of drugs in massotherapy, iontophoresis, sonophoresis and electroporation.
CE40: To know and understand the indications of the different types of orthoprosthesis devices and the new technical findings and innovations in orthopedics.
CE41: Study and analyze the handling of orthoprosthesis devices for the spine, upper limb and lower limb.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

- The student understands and analyzes the mechanism of action of drugs, especially those used in pathologies that require physiotherapeutic intervention, and knows their actions, undesirable effects, indications and contraindications.
- The student understands and analyzes the pharmacokinetic characteristics of drugs, especially those used in pathologies requiring physiotherapeutic intervention; knows and describes the different routes of administration; understands and analyzes the basics of drug administration through the skin.
- The student understands the problems of drug use in athletes.
- The student knows and is able to apply orthoprosthesis products in physical therapy.

Contents

Introduction to Pharmacology. Pharmacokinetics. Pharmacodynamics. Adverse drug reactions. Pharmacological actions of topical preparations. Types of preparations: ways of application and indications. Application drugs for massage, iontophoresis, phonophoresis and electroporation. Pharmacological therapeutics of spasticity, muscular contractures, pain and inflammation. Pharmacology of the different apparatus and systems. Anti-infective therapeutics. Sports pharmacology. Orthoprosthesis devices of the spine, upper limb and lower limb. New findings and innovations.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
<p>Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline.</p> <p>Lectures, screenings, visits, etc. may also be included.</p>	60	100%
<p>Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.</p>	-	-

5. TEACHING METHODOLOGIES

METHODOLOG Y

Participative master classes

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method to enhance their critical capacity and group communication skills. In these sessions, aspects related to pharmacology and the use of orthoprosthetic products will be discussed.

Case studies and problem solving

Performance of exercises for students to develop their capacity for analysis and synthesis, as well as to evaluate the proposals of others and the defense of their own, with the development of transversal competences and assimilation of disciplinary contents. These exercises will involve an exemplification or application of the assumptions and clinical cases exposed in the theoretical class, especially those referring to orthoprosthetic products, and will be carried out during the basic teachings.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, the following will be used
 all the training activities carried out during the training period will be evaluated. The concepts and procedures transmitted by the professor through lectures, case studies and problem solving. The active participation of the student in the face-to-face activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities. Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be made according to the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	50%-70%
Oral tests on case studies and problem solving and preparation and presentation of papers.	25%-40%
Participation in classroom activities	5%-10%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Special Massage Therapy
Module	Compulsory Training at the Universidad Pablo de Olavide
Departmental Area	Social and Health Sciences
Semester	3º
Total credits	6
Course	2º
Character	Mandatory Training
Language of instruction	English

Teaching model. Classroom work:	C1
a. Basic Education (EB):	30 hours (50%)
b. Practical Education and Development (EPD):	30 hours (50%)
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated knowledge and understanding in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the skills that are usually demonstrated through the development and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy. CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG03: Know and understand the methods, procedures and actions

physiotherapy, aimed at both the actual therapy to be applied to the patient and to the clinical activities for reeducation or functional recovery, as well as the realization of activities aimed at the promotion and maintenance of health.

CG14: Incorporate the ethical and legal principles of the profession into professional practice as well as integrate social and community aspects in decision making.

CG15: Participate in the development of physiotherapy care protocols based on scientific evidence, promoting professional activities that promote research in physiotherapy.

CG16: Carry out the physiotherapeutic interventions based on the integrated health care that involves multiprofessional cooperation, integration of processes and continuity of care.

CG17: Understand the importance of updating the knowledge, skills, abilities and attitudes that integrate the professional competences of the physiotherapist CG19: Communicate effectively and clearly, both orally and in writing, with the users of the health care system as well as with other professionals.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Proficiency in oral and written communication in Spanish CT04:

Command of scientific literature in English CT05: Computer skills

related to the field of study CT06: Ability to manage information

CT07: Problem-solving skills CT08: Decision-

making skills CT08: Decision-making skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning CT13:

To develop ethical commitment CT14:

Capacity for autonomous learning

CT15: Ability to adapt to changes and new situations CT16: Developing creativity

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE22: Understand and perform specific methods and techniques related to the locomotor system (including manual therapies, joint manipulative therapies, osteopathy and chiropractic), neurological processes, respiratory system, cardiocirculatory system and alterations of statics and dynamics. Specific methods and techniques that take into account the implications of orthopedics in physiotherapy, reflex therapeutic techniques, as well as other alternative and/or complementary methods and techniques whose safety and efficacy has been demonstrated according to the state of development of science.

CE33: Acquire the theoretical knowledge, intellectual abilities and technical and manual skills necessary to correctly apply the specific methods, procedures and techniques of special massage therapy, such as Manual Lymphatic Drainage, Cyriax Transverse Massage, Connective Tissue Massage, myofascial release, and others.

CE34: Know, understand and apply global methods of structural and functional rebalancing of posture, such as the Mézierès Method, the Busquet Method and others. To relate the totality of the human body associating the musculoskeletal system, cranial and visceral sphere, so as to allow a global and integral therapeutic approach to the patient.

CE35: Understand analyze and apply the specific methods and techniques of Orthopaedic Manual Therapy according to the criteria of the International Federation of Orthopaedic Manual/Manipulative Physical Therapists.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

Knows and correctly applies the methods, procedures and techniques of special massage therapy: Manual Lymphatic Drainage, Cyriax Transverse Massage, Connective Tissue Massage, myofascial release, and others.

Contents

Special massage therapy methods: Manual Lymphatic Drainage, Cyriax Transverse Massage, Connective Tissue Massage, myofascial release and others. Maneuvers and application techniques. Indications and contraindications.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline. Lectures, screenings, visits, etc. may also be included.	30	50%
Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.	30	50%

5. TEACHING METHODOLOGIES

METHODOLOG Y

For basic education:

Participative master classes.

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method of enhancing their critical capacity and their communicative skills in group.

For practical and developmental courses:

Laboratory practices

Explanation and demonstration of the contents, techniques and special procedures in massage therapy, global methods and manual therapy by the faculty with clinical material and practical simulations. Repetition by the student of the technique and/or procedure with simulation of the professional role, evaluation by the faculty and group discussion of the choice of the method, procedure or technique used. These activities will be performed in the Physiotherapy laboratory, with specialized equipment.

Case studies and problem solving

Group exercises in which discussion, exemplification and practical application of the procedures to be used in the theoretical and practical assumptions and clinical cases presented by the teacher will be carried out, thus directing the process of

autonomous resolution by the student of problems and clinical cases, in order to develop their capacity for analysis and synthesis, to evaluate the proposals of others and the defense of their own, incorporating transversal competences and assimilating contents and professional competences. These exercises will be carried out during the laboratory practices.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be based on the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	40%-55%
Practical tests and oral tests on case studies and problem solving and the preparation and presentation of papers.	35%-50%
Participation in classroom activities	10%-15%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Global Methods of Intervention in Physical Therapy
Module	Compulsory Training at the Universidad Pablo de Olavide
Departmental Area	Social and Health Sciences
Semester	4º
Total credits	6
Course	2º
Character	Mandatory Training
Language of instruction	English

Teaching model. Classroom work:	C1
a. Basic Education (EB):	30 hours (50%)
b. Practical Education and Development (EPD):	30 hours (50%)
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

Course Description: **Global Methods of Intervention in Physical Therapy**

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG03: Know and understand the methods, procedures and actions

physiotherapy, aimed both at the actual therapy to be applied to the patient and at the clinical activities for reeducation or functional recovery, as well as the realization of activities aimed at the promotion and maintenance of health.

CG14: Incorporate the ethical and legal principles of the profession into professional practice as well as integrate social and community aspects in decision making.

CG15: Participate in the development of physiotherapy care protocols based on scientific evidence, promoting professional activities that promote research in physiotherapy.

CG16: Carry out the physiotherapeutic interventions based on the care integrated health care that involves multiprofessional cooperation, integration of processes and continuity of care.

CG17: Understand the importance of updating the knowledge, skills, abilities and attitudes that integrate the professional competences of the physiotherapist
CG19: Communicate effectively and clearly, both orally and in writing, with the users of the health care system as well as with other professionals

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Proficiency in oral and written communication in Spanish CT04:

Command of scientific literature in English CT05: Computer skills

related to the field of study CT06: Ability to manage information

CT07: Problem-solving skills CT08: Decision-

making skills CT08: Decision-making skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning CT13:

To develop ethical commitment CT14:

Capacity for autonomous learning

CT15: Ability to adapt to changes and new situations CT16: Developing creativity

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE22: Understand and perform specific methods and techniques related to the locomotor system (including manual therapies, joint manipulative therapies, osteopathy and chiropractic), neurological processes, respiratory system, cardiocirculatory system and alterations of statics and dynamics. Specific methods and techniques that take into account the implications of orthopedics in physiotherapy, reflex therapeutic techniques, as well as other alternative and/or complementary methods and techniques whose safety and efficacy has been demonstrated according to the state of development of science.

CE33: Acquire the theoretical knowledge, intellectual abilities and technical and manual skills necessary to correctly apply the specific methods, procedures and techniques of special massage therapy, such as Manual Lymphatic Drainage, Cyriax Transverse Massage, Connective Tissue Massage, myofascial release, and others.

CE34: To know, understand and apply the global methods of structural and functional rebalancing of posture, such as the Mézierès Method, the Busquet Method and others. To relate the totality of the human body associating the musculoskeletal system, cranial and visceral sphere, in a way that allows a global and integral therapeutic approach of the patient.

CE35: Understand analyze and apply the specific methods and techniques of Orthopaedic Manual Therapy according to the criteria of the International Federation of Orthopaedic Manual/Manipulative Physical Therapists.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

- Analyzes and applies global methods of structural and functional rebalancing of posture: Mézierès method, Busquet method and others.
- Knows the theoretical and practical basis of primary respiratory movement and cranio-sacral rhythm.

Contents

Theoretical bases of the global methods of functional and structural rebalancing of the posture. Application techniques. Primary respiratory movement and posture.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
<p>Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline.</p> <p>Lectures, screenings, visits, etc. may also be included.</p>	30	50%
<p>Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.</p>	30	50%

5. TEACHING METHODOLOGIES

METHODOLOG Y

For basic education:

Participative master classes.

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method to enhance their critical capacity and their communicative skills in group.

For practical and developmental courses:

Laboratory practices

Explanation and demonstration of the contents, techniques and special procedures in massage therapy, global methods and manual therapy by the faculty with clinical material and practical simulations. Repetition by the student of the technique and/or procedure with simulation of the professional role, evaluation by the faculty and group discussion of the choice of the method, procedure or technique used. These activities will be performed in the Physiotherapy laboratory, with specialized equipment.

Case studies and problem solving

Group exercises in which we will proceed to the discussion, exemplification and practical application of the procedures to be used in the theoretical and practical

The student will be able to develop his capacity of analysis and synthesis, to value the proposals of others and the defense of his own proposals, incorporating transversal competences and assimilating contents and professional competences. These exercises will be carried out during the laboratory practices.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities. Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be based on the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	40%-55%
Practical tests and oral tests on case studies and problem solving and the preparation and presentation of papers.	35%-50%
Participation in classroom activities ^a	10%-15%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Pathology in Medical-Surgical Specialties I
Module	Basic Training in Health Sciences
Departmental Area	Social and Health Sciences
Semester	3º
Total credits	6
Course	2º
Character	Basic Training
Language of instruction	English

Teaching model. Classroom work:	0
a. Basic Education (EB):	60 hours (100%)
b. Practical Education and Development (EPD):	-
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

Course Description: **Pathology in Medical and Surgical Specialties I**

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competences that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG01: Know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG05: Assess the patient's functional status, considering physical, psychological and social aspects

CG12: Intervene in the areas of health promotion, prevention, protection and recovery.

CG19: Communicate effectively and clearly, both orally and in writing, with users of the healthcare system as well as with other professionals.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Mastering oral and written communication in the Spanish language
CT05: Computer skills related to the field of study
CT06: Information management skills

CT07: Problem solving skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning
CT13: To develop ethical commitment

CT14: Capacity for autonomous learning

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE08: To know the physiological and structural changes that may occur as a consequence of the application of physiotherapy.

CE09: Recognize life-threatening situations and know how to perform basic and advanced support maneuvers.

CE10: To know the physiopathology of diseases, identifying the manifestations that appear throughout the process, as well as the medical-surgical treatments, mainly in their physiotherapeutic and orthopedic aspects.

CE11: Identify the changes produced as a consequence of the intervention of the physical therapy. user and family participation in your process of Promoting recovery

CE12: To know and identify the psychological and physical problems derived from the

gender-based violence to train students in the prevention, early detection, assistance and rehabilitation of victims of this form of violence.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

The student knows and understands the aspects concerning the pathophysiology of diseases that may be present throughout the life cycle, especially those related to physical therapy, identifying and having a global vision of their clinical manifestations, medical-surgical and orthopedic treatments, as well as measures for the prevention of impairment, disability and handicap, especially in their physiotherapeutic and orthopedic aspects. The student assesses the state of health and/or disease as an integral part of the physiotherapist profession. Identifies the health changes caused by the medical-surgical treatment of the pathologies treated and as a consequence of the intervention of Physiotherapy and understands and adequately communicates the pathologies and results of the treatments with other professionals involved in the same. The subjects in which this subject is configured focus their content in each of the medical-surgical specialties and in the recognition of life-threatening situations knowing how to perform medium and advanced life support maneuvers.

Contents

This course integrates previously acquired knowledge and helps the student to identify the clinical manifestations of diseases and to acquire a global vision of the medical-surgical procedures in the different clinical specialties. Especially those pathologies that require physiotherapeutic treatment.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
<p>Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline.</p> <p>Lectures, screenings, visits, etc. may also be included.</p>	60	100%
<p>Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.</p>	-	-

5. TEACHING METHODOLOGIES

METHODOLOG Y

Participative master classes

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method to enhance their critical capacity and their communicative skills in group.

Case studies and problem solving

It consists of exercises for students to develop their capacity of analysis and synthesis, as well as to evaluate the proposals of others and the defense of their own, with the development of transversal competences and assimilation of disciplinary contents. These exercises will involve an exemplification or application of the assumptions and clinical cases exposed in the theoretical class and will be carried out during the basic teachings.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility of acquiring the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be based on the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	50%-70%
Oral tests on case studies and problem solving and preparation and presentation of papers.	25%-40%
Participation in classroom activities	5%-10%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Pathology in Medical-Surgical Specialties II
Module	Basic Training in Health Sciences
Departmental Area	Social and Health Sciences
Semester	4º
Total credits	6
Course	2º
Character	Basic Training
Language of instruction	English

Teaching model. Classroom work:	0
a. Basic Education (EB):	60 hours (100%)
b. Practical Education and Development (EPD):	-
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

Course Description: **Pathology in Medical and Surgical Specialties II**

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG01: Know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG05: Assess the patient's functional status, considering physical, psychological and social aspects

CG12: Intervene in the areas of health promotion, prevention, protection and recovery.

CG19: Communicate effectively and clearly, both orally and in writing, with users of the health care system as well as with other professionals.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Mastering oral and written communication in the Spanish language CT05: Computer skills related to the field of study CT06:

Information management skills

CT07: Problem solving skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: To develop critical reasoning CT13:

To develop ethical commitment CT14:

Capacity for autonomous learning

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE08: To know the physiological and structural changes that may occur as a consequence of the application of physiotherapy.

CE09: Recognize life-threatening situations and know how to perform basic and advanced support maneuvers.

CE10: To know the physiopathology of diseases, identifying the manifestations that appear throughout the process, as well as the medical-surgical treatments, mainly in their physiotherapeutic and orthopedic aspects.

CE11: Identify the changes produced as a consequence of the intervention of the physical therapy. user and family participation in your process of Promoting recovery

CE12: To know and identify the psychological and physical problems derived from the

gender-based violence to train students in the prevention, early detection, assistance and rehabilitation of victims of this form of violence.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

The student knows and understands the aspects concerning the pathophysiology of diseases that may be present throughout the life cycle, especially those related to physical therapy, identifying and having a global vision of their clinical manifestations, medical-surgical and orthopedic treatments, as well as measures for the prevention of impairment, disability and handicap, especially in their physiotherapeutic and orthopedic aspects. The student assesses the state of health and/or disease as an integral part of the physiotherapist profession. Identifies the health changes caused by the medical-surgical treatment of the pathologies treated and as a consequence of the intervention of Physiotherapy and understands and adequately communicates the pathologies and results of the treatments with other professionals involved in the same. The subjects in which this subject is configured focus their content in each of the medical-surgical specialties and in the recognition of life-threatening situations knowing how to perform medium and advanced life support maneuvers.

Contents

This course integrates previously acquired knowledge and helps the student to identify the clinical manifestations of diseases and to acquire a global vision of the medical-surgical procedures in the different clinical specialties. Especially those pathologies that require physiotherapeutic treatment.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
<p>Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological foundations and the essential concepts of the discipline.</p> <p>Lectures, screenings, visits, etc. may also be included.</p>	60	100%
<p>Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.</p>	-	-

5. TEACHING METHODOLOGIES

METHODOLOG Y

Participative master classes

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method to enhance their critical capacity and their communicative skills in group.

Case studies and problem solving

It consists of exercises for students to develop their capacity of analysis and synthesis, as well as to evaluate the proposals of others and the defense of their own, with the development of transversal competences and assimilation of disciplinary contents. These exercises will involve an exemplification or application of the assumptions and clinical cases exposed in the theoretical class and will be carried out during the basic teachings.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be based on the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	50%-70%
Oral tests on case studies and problem solving and preparation and presentation of papers.	25%-40%
Participation in classroom activities	5%-10%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	Medical and Surgical Pathology of the Musculoskeletal System
Module	Basic Training in Health Sciences
Departmental Area	Social and Health Sciences
Semester	3º
Total credits	6
Course	2º
Character	Basic Training
Language of instruction	English

Teaching model. Classroom work:	0
a. Basic Education (EB):	60 hours (100%)
b. Practical Education and Development (EPD):	-
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

Course Description: **Medical and Surgical Pathology of the Musculoskeletal System**

field of study

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG01: Know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG05: Assess the patient's functional status, considering physical, psychological and social aspects

CG12: Intervene in the areas of health promotion, prevention, protection and recovery.

CG19: Communicate effectively and clearly, both orally and in writing, with users of the health care system as well as with other professionals.

2.2. Transversal Competencies

CT01 : Capacity for analysis and synthesis

CT02 : Organizational and planning skills

CT03 : Proficiency in oral and written communication in the Spanish language CT05 : Computer skills related to the field of study CT06 :

Information management skills

CT07 : Problem solving skills

CT09 : Intradisciplinary and interdisciplinary teamwork skills CT10 :

Demonstrated interpersonal relationship skills

CT11 : Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12 : To develop critical reasoning CT13 :

To develop ethical commitment CT14 :

Capacity for autonomous learning

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE08: To know the physiological and structural changes that may occur as a consequence of the application of physiotherapy.

CE09: Recognize life-threatening situations and know how to perform basic and advanced support maneuvers.

SC10: Knowing the pathophysiology of diseases identifying the manifestations of the disease.

appear a at along of the process, as well as as well as the treatments
medical-surgical treatments,

mainly in its physiotherapeutic and orthopedic aspects.

CE11: Identify the changes produced as a consequence of physical therapy intervention.

Encourage the participation of the user and family in the recovery process.

CE12: To know and identify the psychological and physical problems derived from gender violence in order to train students in prevention, early detection, assistance, and rehabilitation of victims of this form of violence.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

The student knows and understands the aspects concerning the pathophysiology of diseases that may be present throughout the life cycle, especially those related to physical therapy, identifying and having a global vision of their clinical manifestations, medical-surgical and orthopedic treatments, as well as measures for the prevention of impairment, disability and handicap, especially in their physiotherapeutic and orthopedic aspects. The student assesses the state of health and/or disease as an integral part of the physiotherapist profession. Identifies the health changes caused by the medical-surgical treatment of the pathologies treated and as a consequence of the intervention of Physiotherapy and understands and adequately communicates the pathologies and results of the treatments with other professionals involved in the same. The subjects in which this subject is configured focus their content on each of the specialties medical-surgical and in the recognition of situations knowing how to perform life-threatening medium and advanced life support maneuvers.

Contents

This course integrates the previously acquired knowledge and helps the student to acquire a global vision of the clinical manifestations and the medical, surgical and orthopedic treatments for the pathology of the musculoskeletal system. With its study the student will be able to integrate the knowledge acquired in other basic subjects such as Anatomy of the Locomotor System, General Anatomy, Physiology and Biochemistry.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological foundations and essential concepts of the discipline. Lectures, screenings, visits, etc. may also be included.	60	100%
Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.	-	-

5. TEACHING METHODOLOGIES

METHODOLOG Y

Participative master classes

Theoretical classes taught by the professor of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method of enhancing their critical capacity and their communicative skills in group.

Case studies and problem solving

It consists of exercises for students to develop their capacity of analysis and synthesis, as well as to evaluate the proposals of others and the defense of their own, with the development of transversal competences and assimilation of disciplinary contents. These exercises will involve an exemplification or application of the assumptions and clinical cases exposed in the theoretical class and will be carried out during the basic teachings.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be made according to the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	50%-70%
Oral tests on case studies and problem solving and preparation and presentation of papers.	25%-40%
Participation in classroom activities	5%-10%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	

SUBJECT DATA SHEET

1. DESCRIPTION OF THE SUBJECT

Grade	Physiotherapy
Subject	General Procedures in Physical Therapy II
Module	Specific Training in Physiotherapy
Departmental Area	Social and Health Sciences
Semester	3º
Total credits	6
Course	2º
Character	Mandatory Training
Language of instruction	English

Teaching model. Classroom work:	0
a. Basic Education (EB):	60 hours (100%)
b. Practical Education and Development (EPD):	-
c. Directed Activities (AD)	-

2. COMPETENCIES

2.1. Basic and General Competencies

CB01: That students have demonstrated knowledge and understanding in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

CB02: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

CB03: That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues.

CB04: Students are able to convey information, ideas, problems or solutions to both specialized and non-specialized audiences.

CB05: That the students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

CG02: Know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

CG03: Know and understand the methods, procedures and procedures and actions

physiotherapy, aimed at both the actual therapy to be applied to the patient and the clinical activities for reeducation or functional recovery, as well as the realization of activities aimed at the promotion and maintenance of health.

CG12: Intervene in the areas of health promotion, prevention, protection and recovery.

CG13: Knowing how to work in professional teams as a basic unit in which to structure in a uni or multidisciplinary and interdisciplinary way the professionals and other personnel of the care organizations

CG14: Incorporate the ethical and legal principles of the profession into professional practice as well as integrate social and community aspects in decision making.

CG17: Understand the importance of updating the knowledge, skills, abilities and attitudes that integrate the professional competences of the physiotherapist

CG19: Communicate effectively and clearly, both orally and in writing, with the users of the health care system as well as with other professionals.

2.2. Transversal Competencies

CT01: Capacity for analysis and synthesis

CT02: Organizational and planning skills

CT03: Mastering oral and written communication in the Spanish language

CT05: Computer skills related to the field of study

CT06: Information management skills

CT07: Problem solving skills

CT09: Capacity for intradisciplinary and interdisciplinary teamwork

CT10: Demonstrate skills in interpersonal relationships

CT11: Recognition of diversity and multiculturalism, acting with honesty, tolerance and respect for diversity.

CT12: Develop critical reasoning

CT13: Develop ethical commitment

CT14: Ability to learn autonomously

CT16: Develop creativity

CT18: Motivation for quality, developing responsibility and ethical commitment to work.

2.3. Specific Competencies

CE01: To know the principles and theories of physical agents and their applications in the following areas

physiotherapy. Understand the principles of biomechanics and electrophysiology, and their main applications in the field of physiotherapy.

CE08: To know the physiological and structural changes that may occur as a consequence of the application of physiotherapy.

CE11: Identify the changes produced as a consequence of physical therapy intervention. Encourage the participation of the user and family in the recovery process.

CE18: To know, design and apply the different modalities and general procedures of intervention in Physiotherapy: Massage therapy, Electrotherapy, Magnetotherapy, Hydrotherapy, Balneotherapy, Climatotherapy, Thalassotherapy, Thermotherapy, Cryotherapy, Vibrotherapy, Phototherapy, Pressure therapy, therapies derived from other physical agents, as well as fundamental aspects of Ergotherapy and other therapies related to the field of competence of physiotherapy. Encourage the participation of the user and family in their recovery process.

3. LEARNING OUTCOMES AND CONTENT

Learning Outcomes

The student knows the theoretical bases and clinical application of the general procedures of intervention in physical therapy: vibrotherapy, phototherapy, electrotherapy, magnetotherapy, ergotherapy, pressotherapy, therapies derived from other physical agents, as well as fundamental aspects of ergotherapy and other therapies related to the field of competence of physical therapy. The student understands their indications and contraindications and acquires the skills that allow him/her to apply the different general procedures of intervention in physical therapy.

Contents

Theoretical study and forms of clinical application in the general procedures of intervention in electrotherapy, magnetotherapy, vibrotherapy, phototherapy, pressotherapy, ergotherapy and other therapies related to the field of competence of physiotherapy.

4. TRAINING ACTIVITIES

TRAINING ACTIVITIES	HOURS	PERCENTAGE
Basic teaching: taught to a complete group, it incorporates theoretical teaching, methodological fundamentals and the essential concepts of the discipline. Lectures, screenings, visits, etc. may also be included.	30	50%
Practical and Developmental Teaching: these are taught in small groups: their content deals with laboratory practices and the development of practical cases that facilitate the acquisition of competencies by the student.	30	50%

5. TEACHING METHODOLOGIES

METHODOLOG Y

For basic education: Participative

master classes.

Theoretical face-to-face classes taught by the teacher of the subject for the development of the contents established in the teaching guide. They are expository classes with the use of computer systems and projection. Student participation will be encouraged as a method to strengthen their critical capacity and group communication skills.

For practical and developmental courses:

Laboratory practices

Explanation and demonstration of contents, techniques and procedures.
 general physiotherapy by the faculty with clinical material and practical simulators.
 Repetition by the student of the methods and/or procedures with simulation of the professional role, evaluation by the faculty and group discussion of the correct execution of the modality or technique used. These activities will be performed in the Physiotherapy laboratory.

Case studies and problem solving

Group exercises in which we will proceed to the discussion, exemplification and practical application of the procedures to be used in the theoretical and practical cases.

practical exercises and clinical cases proposed by the teacher, so that the student develops his capacity of analysis and synthesis, as well as to value the proposals of others and the defense of his own, with the development of transversal competences and assimilation of contents and competences. These exercises will be carried out during the laboratory practices.

6. EVALUATION SYSTEM

For the evaluation of the acquisition of the competences of this subject, all the formative activities carried out during the period of teaching of the subject will be evaluated, that is to say: the concepts and procedures transmitted by the professor through the lectures, the laboratory practices and the case studies and problem solving. The active participation of the student in the classroom activities of the subject will also be valued.

The evaluation system shall be governed in accordance with the provisions established in the

Evaluation of the Undergraduate Students of the Universidad Pablo de Olavide, from Seville, of June 3, 2014, being, according to said regulation, continuous evaluation the system considered as preferential, being able to be applied in a general way to Basic Education, Practical and Developmental Education and Activities.

Directed, so that the student is guaranteed the possibility to acquire the skills and knowledge in a progressive and sequenced manner.

When the training activities include the use of applications computer evaluation may also include testing in the use of such applications.

The valuation of each type of activity will be based on the dedication defined for each one of them through the following percentages:

EVALUATION SYSTEM	PERCENTAGE
Developmental written tests, short open-ended writing tests, objective tests.	40%-55%
Practical tests and oral tests on case studies and problem solving and the preparation and presentation of papers.	35%-50%
Participation in classroom activities	10%-15%

7. TEACHING STAFF

Name	
Center	San Isidoro University Center
Departmental Areas	Social and Health Sciences
E-mail	