

ECTS COURSE DESCRIPTION FORM

PART I (Senate Approval)

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|--------------------------|--|--|-------------|---------------------|-------------------------------------|--|--|
| Offering School | Antalya Bilim University | | | Offering Department | Physical Therapy and Rehabilitation | | |
| Program(s) Offered to | Physical Therapy and Rehabilitation | <input type="checkbox"/> | | | <input type="checkbox"/> | | |
| | | <input type="checkbox"/> | | | <input type="checkbox"/> | | |
| | | <input type="checkbox"/> | | | <input type="checkbox"/> | | |
| Course Name | Orthotics and Rehabilitation | | | Course Code | FTR 329 | | |
| Level of Course | Undergraduate | | | Type of Course | Theoric, Practical | | |
| Language of Instruction | Turkish | | | ECTS Credits | 3 | | |
| Hours per Week | Lecture: | 2 | Practical: | 1 | Studio: | | |
| | Laboratory: | | Recitation: | | Other: | | |
| Pre-requisites | None | | | Co-requisites | None | | |
| Registration Restriction | None | | | Grading Mode | Letter Grade | | |
| Educational Objective | The aim of this course is to teach the design stages, application areas, types, indications and contraindications of all auxiliary equipment and orthosis used for treatment and / or as an aid to treatment during and after the rehabilitation process. | | | | | | |
| Course Description | This course includes the subjects of biomechanical principles of orthotics; pre and post orthotic assessment; orthoses used for various segments in the upper, lower limbs and spine; orthotic approach in various injuries, musculoskeletal and neuromuscular disorders, post-operative care, congenital and acquired deformities; orthotic assessment and orthotic rehabilitation. | | | | | | |
| Learning Outcomes | LO1 | Makes the necessary assessments before and after orthosis application in individuals with orthotic indication. | | | | | |
| | LO2 | Can choose the appropriate approaches for orthosis rehabilitation and decide the orthosis. | | | | | |
| | LO3 | Customizes the orthosis rehabilitation approaches according to the patient and the disease, plans and implements the treatment program that will increase the effectiveness of the orthosis. | | | | | |
| | LO4 | Gives the necessary recommendations during the use of orthoses, understands the importance and systematic monitoring of the patient for a long time. | | | | | |
| | LO5 | | | | | | |
| | LO6 | | | | | | |
| | LO7 | | | | | | |

PART II (Faculty Board Approval)

| | | Program Outcomes | LO1 | LO2 | LO3 | LO4 | LO5 | LO6 | LO7 |
|-------------------------------------|------|--|-----|-----|-----|-----|-----|-----|-----|
| Basic Outcomes (University-wide) | PO1 | Ability to communicate effectively and write and present a report in Turkish and English. | | | | | | | |
| | PO2 | Ability to work individually, and in intra-disciplinary and multi-disciplinary teams. | | ✓ | ✓ | ✓ | | | |
| | PO3 | Recognition of the need for life-long learning and ability to access information, follow developments in science and technology, and continually reinvent oneself. | | ✓ | ✓ | | | | |
| | PO4 | Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development. | | ✓ | ✓ | ✓ | | | |
| | PO5 | Awareness of sectors and ability to prepare a business plan. | | | | | | | |
| | PO6 | Understanding of professional and ethical responsibility and demonstrating ethical behavior. | ✓ | ✓ | ✓ | ✓ | | | |
| Faculty Specific Outcomes | PO7 | Having universal thoughts and values | | | | | | | |
| | PO8 | To be committed to academic and ethical values | | | ✓ | | | | |
| | PO9 | To provide qualified education, research and consultancy services at universal information and technology standards | ✓ | ✓ | ✓ | ✓ | | | |
| | PO10 | To be open to new goals, strategies and action plans that will take undergraduate and graduate education / training programs and scientific studies further | | | | | | | |
| | PO11 | To support, maintain and increase interdisciplinary / multidisciplinary studies in the services provided. | | | ✓ | | | | |
| | PO12 | To contribute and develop health policies for the benefit of the country. | | | | | | | |
| Program Specific Outcomes | PO13 | Explains the theoretical knowledge about basic medicine and clinical sciences with the main lines and relates them to physiotherapy. | | | | | | | |
| | PO14 | Applies Physiotherapy and Rehabilitation assessment methods, analyzes and interprets theoretical knowledge by associating | ✓ | ✓ | ✓ | | | | |
| | PO15 | Plans and implements the individual physiotherapy and rehabilitation program | | ✓ | ✓ | | | | |
| | PO16 | Records and archives assessment and treatment data | ✓ | ✓ | ✓ | ✓ | | | |
| | PO17 | Plans, conducts and presents a scientific research | | ✓ | ✓ | ✓ | | | |
| | PO18 | Has effective communication skills | | ✓ | ✓ | ✓ | | | |
| | PO19 | Defines professional duties and responsibilities legally and applies them within the framework of ethical principles. | ✓ | ✓ | ✓ | | | | |
| | PO20 | Has lifelong learning skills related to the profession | ✓ | ✓ | ✓ | ✓ | | | |

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|------|--|--|--|--|--|--|--|--|--|
| PO21 | Can use foreign language effectively to follow professional developments | | | | | | | | |
| PO22 | Knows and applies quality, occupational health and safety issues related to the profession | | | | | | | | |

PART III (Department Board Approval)

| Course Contents, Contribution of Course Contents to Learning Outcomes, and Methods for Assessing Learning of Course Contents | Subject | Week | Details of Course Contents | LO1 | LO2 | LO3 | LO4 | LO5 | LO6 | LO7 |
|--|---------|------|--|-------|-------|-------|-------|-----|-----|-----|
| | S1 | 1 | General Introduction to Orthosis | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S2 | 2 | General and specific purposes of orthoses | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S3 | 3 | Pathomechanics conditions that require the use of orthoses | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S4 | 4 | Materials and technology used | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S5 | 5 | Technical and biomechanical principles of orthoses | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S6 | 6 | Lower extremity orthoses and their use-rehabilitation | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S7 | 7 | Upper extremity orthoses and their use-rehabilitation | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S8 | 8 | Midterm exam week | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S9 | 9 | Spinal orthoses and their use- rehabilitation | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S10 | 10 | Orthosis in peripheral nerve injuries | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S11 | 11 | Special scoliosis orthoses | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S12 | 12 | Orthosis control | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S13 | 13 | Solutions for prevention and elimination of problems and complications that may be encountered with orthotic use | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |
| | S14 | 14 | General rehabilitation principles in orthoses | A1/A4 | A1/A4 | A1/A4 | A1/A4 | | | |

| Assessment Methods, Weights in Grading Scheme, Implementation and Make-Up Rules | No | Type | Weight | Implementation Rule | Make-Up Rule |
|---|----|--------------------------------|-------------|---|---------------------------------------|
| | A1 | Exam-Final Jury, Final Project | 60% | One final exam is applied. Exam dates are announced by the faculty. | ABU's relevant regulation is applied. |
| | A2 | Quiz | | | |
| | A3 | Homework | | | |
| | A4 | Midterm | 40% | 1 midterm exam (visa) is applied. Exam dates are announced by the faculty | ABU's relevant regulation is applied. |
| | A5 | Project | | | |
| | A6 | Presentation | | | |
| | A7 | Attendance/Interaction | | | |
| | A8 | Field Work | | | |
| | A9 | Others | | | |
| TOTAL | | | 100% | | |

Evidence of Achievement of Learning Outcomes At least one question from each subject is asked during the exams. A weighted average is calculated for each student based on the percentage of each assessment method. Students are required to collect a minimum score over 100, which is announced by the instructor, to pass the course. This score is determined based on class average.

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|-------------------------------------|---|-------------------------------------|--|--------------------------|--------------------------|
| Method for Determining Letter Grade | Direct Conversion System ("DDS" in the regulation.) | <input checked="" type="checkbox"/> | Relative Evaluation ("BDS" in the regulation.) | <input type="checkbox"/> | |
| | A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below) | | | | <input type="checkbox"/> |
| | | Success Grade Range | Letter Success Note | Success Coefficient | Success Assessment |
| | | 95-100 | A+ | 4,00 | Successful |
| | 85-94 | A | 4,00 | Successful | |
| | 80-84 | A- | 3,70 | Successful | |
| | 75-79 | B+ | 3,30 | Successful | |
| | 70-74 | B | 3,00 | Successful | |
| | 65-74 | B- | 2,70 | Successful | |
| | 60-64 | C+ | 2,30 | Successful | |
| | 55-59 | C | 2,00 | Successful | |
| | 50-54 | C- | 1,70 | Passes | |
| | 45-49 | D+ | 1,30 | Unsuccessful | |
| | 40-44 | D | 1,00 | Unsuccessful | |
| | 0-39 | F | 0 | Unsuccessful | |

| Teaching Methods, Student Work Load | No | Method | Explanation | Total Hours | | | |
|-------------------------------------|--|---------------------------------------|---|-------------|---|-------------|----|
| | Time expected to be allocated by instructor | | | | | | |
| | 1 | Lecture | Lesson topics are explained by writing on the board or with a computer presentation. Sample questions are solved during the lesson. | 28 | | | |
| | 2 | Interactive Lecture | | | | | |
| | 3 | Recitation | | | | | |
| | 4 | Laboratory | | | | | |
| | 5 | Practical | It includes lectures made by showing with applications. | 14 | | | |
| | 6 | Field Work | | | | | |
| | Time expected to be allocated by student | | | | | | |
| | 7 | Project | | | | | |
| | 8 | Homework | | | | | |
| | 9 | Pre-class Learning of Course Material | New topics are learned before being taught in the classroom. | 25 | | | |
| | 10 | Review of Course Material | Topics are repeated to prepare for exams and assignments. | 20 | | | |
| 11 | Studio | | | | | | |
| 12 | Office Hour | | | | | | |
| Calculated ECTS Credit(s) | | Max. | 3 | Min. | 2 | Grand Total | 87 |

IV. PART

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|-------------------------|----------------------------|---|
| Instructor | Name Surname | |
| | E-mail | |
| | Phone Number | |
| | Office Number | |
| | Office Hours | |
| Course Materials | Mandatory | |
| | Recommended | Uygur S.T. (1992). Ayak Deformite ve Grezleri. Ankara: TC Fizik Tedavi ve Rehabilitasyon Yüksekokulu Yayınları. |
| | Medical Books. | Principles and Application (2. Baskı). USA: The C.V. Mosby Company. |
| | | Fizik Tedavi ve Rehabilitasyon Yüksekokulu Yayınları. |
| Other | Scholastic Honesty | Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a serious academic violation and will result in a disciplinary action. It is explained in Article 25 of the Directive on Associate and Undergraduate Programs of Antalya Bilim University. |
| | Students with Disabilities | Reasonable accommodations will be made for students with verifiable disabilities. |
| | Safety Issues | The course does not require any special security measures. |
| | Flexibility | Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes. |

Form No: ÜY-FR-1047 Yayın Tarihi 01.04.2021 Değ. No 0 Değ. Tarihi-