

Course Unit: 400330 – Anatomophysiology I

Year 1 Semester 1 ISCED Code: 0511 ECTS: 6

Type of Course Unit: Compulsory Delivery Mode: Face-to-face Language of Instruction: Portuguese

COURSE COORDINATOR: Patrícia Alexandra Rodrigues Santos

HOURS OF WORK

TOTAL HOURS	Contact Hours								Hours in autonomous work
	Theory	Theory and practice	Practical and laboratory work	Field work	Seminar	Internship	Tutorial guidance	Other	
150	50	25	-	-	-	-	-	-	75

Prerequisites (if applicable):

LEARNING OUTCOMES (knowledge, skills and competence)

Describe the importance of anatomic-physiology in Occupational Therapy:

Describe the functional organization of the human body;

Identify and describe the cell functions;

Identify the structures that constitute the human body and understand its functions;

Describe in a systematic way the morphology and function of bones, muscles and articulations Competences to develop:

Show knowledge and understanding of the human body structure and functions on a biological and physical level and how these structures and functions interact with the performance of the activity and task.

CONTENTS

The importance of anatomic-physiology in occupational therapy;

Introduction to physiology;

Introduction to the study of Anatomy: general considerations about human anatomy, concept of normal and of variation in anatomy, general variation factors, human body division;

Passive human anatomy: osteology (growing process, classification, orientation, connections and description); arthrology (classification, articular surfaces, union means);

Human active anatomy: miology (classification, description).

DEMONSTRATION OF THE CONTENTS COHERENCE WITH THE COURSE UNIT'S LEARNING OUTCOMES

The syllabus linked to the goals (between brackets) are:

The importance of anatomic-physiology in occupational therapy;(A)

Introduction to physiology: the cell and general physiology, human body functional organization, the cell and its functions; (B e C)

Introduction to the study of Anatomy: general considerations about human anatomy, concept of normal and of variation in anatomy, general variation factors, human body division; (D)

Passive human anatomy: osteology (growing process, classification, orientation, connections and description); arthrology (classification, articular surfaces, union means); (E)

Human active anatomy: miology (classification, description). (E)

TEACHING METHODOLOGIES

Theoretical and theoretical-practical lessons. Interactive and expositive method, with slideshow and use of multimedia projector, human skeleton anatomical models. Problem resolution methodology.

DEMONSTRATION OF THE COHERENCE BETWEEN THE TEACHING METHODOLOGIES AND THE LEARNING OUTCOMES

The syllabus linked to the teaching methodologies (between brackets) are:

A. Describe the importance of anatomic-physiology in Occupational Therapy: (Theoretical lessons)

B. Describe the functional organization of the human body; (T and TP lessons with slide presentation and use of the data show, as well as the skeleton, bone parts and anatomic models.)

C. Identify and describe the cell functions (Theoretical lessons)

D. Identify the structures that constitute the human body and understand its functions; (T and TP lessons, data show, skeleton, bone parts and anatomic models.)

E. Describe in a systematic way the morphology and function of bones, muscles and articulations Competences to develop: (T and TP lessons, data show, skeleton, bone parts and anatomic models.) Show knowledge and understanding of the human body structure and functions on a biological and physical level and how these structures and functions interact with the performance of the activity and task.

EVALUATION METHODS

Continuous Assessment (AC) - 1 written test (anatomy-physiology in Occupational Therapy and introduction to physiology); 1 individual written test (study of anatomy and passive human anatomy); 1 individual written test (active human anatomy). In each of these tests the minimum admissible rating of 8 points.

Course unit (CU) approval: minimum grade of 10 points, in the weighted average of the evaluation tests. Only the final CU classification is obtained by rounding.

Final Assessment in Normal Season (NS) - Applies to students who do not opt for CA (same type of assessment methods; minimum admissible rating: 10 points for each assessment method). Only the final CU classification is obtained by rounding.

Final Assessment at Resouse Season (RS) - Applies to students who have not passed CA and Final Assessment in NS (same type of assessment methods; minimum admissible rating: 10 points for each assessment method. Improvements are contemplated in Final Assessment at RS.

MAIN BIBLIOGRAPHY

Esperança Pina, J. A. (2017). Anatomia humana da locomoção (5ª ed.). Lisboa: Edições Lidel.

Netter, F.H. (2018). Atlas de anatomia humana (7ª ed). Rio de Janeiro: Elsevier Editor

Vanputte, C., Russo, A., & Regon, J. (2016). Anatomia e fisiologia de Seeley (10ª ed.). Porto Alegre: AMGH Editora, Ltda.

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