

Course Unit	Clinical Pathology II		Field of study	Expertise Sciences	
Bachelor in	Biomedical Laboratory Sciences		School	School of Health	
Academic Year	2021/2022	Year of study	2	Level	1-2
Type	Semestral	Semester	2	ECTS credits	5.0
Code	9995-550-2205-00-21				
Workload (hours)	135	Contact hours	T -	TP 52	PL -
			TC -	S -	E -
			OT 8	O -	

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Raul Fernando Louro de Sousa

### Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

Know the pathophysiology, prevalent diseases and laboratory tests for the diagnosis of the pathology of the respiratory, digestive, endocrine, urinary, genital, osteoarticular and nervous systems.

### Prerequisites

Before the course unit the learner is expected to be able to:

1. To know the anatomy and physiology of the organic systems to be studied
2. Relate the anatomy and physiology of the organic systems to be studied

### Course contents

Pathology of the respiratory system Diseases of the digestive tract Pathology of the endocrine system Changes in renal function Pathology of the female and male genital system Musculoskeletal pathology Nervous system pathology

### Course contents (extended version)

1. Pathology of the respiratory system . Asthma . Pulmonary disease . Pulmonary infections
2. Diseases of digestive system . esophagus . stomach . intestine . biliary tract . liver . pancreas
3. Pathology of the endocrine system: . hypophysis . thyroid . adrenal . gonads . endocrine pancreas
4. Alterações da função renal . Rim . Aparelho excretor
5. Pathology of the genital system . testicle, penis and prostate . vulva, uterus, ovaries and breast
6. Osteoarticular pathology . Fracture . Osteoporosis . Osteoarthritis . Malformations in the spine
7. Pathology of the nervous system . Stroke . Parkinson's . Insanity . Demyelinating disease

### Recommended reading

1. Kumar, Vinay, Cotran, Ramizi S. , & Robbins, Stanley L. (Eds. ). (2003). Robbins Patologia Básica (7ª ed. ): Saunders Elsevier Science.
2. . Rubin, Raphael, & Strayer, David S. (Eds. ). (2005). Patologia: Bases Clinicopatológicas de Medicina (4ª ed. ): Guanabara Brasil.
3. Sergio, J. Silveira, Coutinho, Isabel, & Marques, Sandra (Eds. ). (2002). Fundamentos de Patologia para Técnicos de Saúde (2ª ed. ): Lusociência
4. Pinto, Anabela Mota (2007): Fisiopatologia: Fundamentos e Aplicações (2ª ed): Lidel

### Teaching and learning methods

The teaching method is essentially expositive with lecturing of the physiopathological mechanisms of diseases and pathologies affecting the human organ systems, with a special focus on complementary diagnostic exams

### Assessment methods

- Final - (Regular, Student Worker) (Final, Supplementary, Special)
- Final Written Exam - 100%

### Language of instruction

Portuguese

### Electronic validation

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03-03-2022	03-03-2022	03-03-2022	03-03-2022