Course Title	**Internal Medicine and Pathophysiology II**				
Course Code	**ABS401**				
Course Type	Compulsory				
Level	BSc (Level 1)				
Year / Semester	4th year / 7th semester				
Instructor's Name	Dr. George Miltiadous				
ECTS	4	Lectures / week	3	Laboratories/week	None
Course Purpose	The purpose of this course is to enhance the knowledge gained with Internal Medicine and Pathophysiology I on the cellular mechanisms involved in the disease process. This course will discuss the symptoms and clinical diagnosis of several diseases including :haematological diseases, the common neurological, renal gastrointestinal, liver, biliary tract and pancreatic diseases as well as cancer The students will also be exposed to the current therapeutic and treatment modalities, as well as the analytical parameters that are used to monitor disease progression as well as response to therapy. At the end of the course students will be able to explain the pathogenesis of each disease.				
Learning Outcomes	- Describe the clinical features, how to investigate and the general principles of therapy of the common haematological diseases. - Demonstrate a knowledge of the biology of cancer, how to diagnose a malignancy, the clinical features and the general principles of cancer therapy. - Explain principles and basic mechanisms of infection and infectious disease, how to approach a patient with a suspected infection and the general principles of antimicrobial chemotherapy. - Describe the clinical features, how to investigate and the general principles of therapy of the common neurological diseases. - Apply the appropriate skills related to how to investigate and the general principles of therapy of the common renal diseases. - Describe the clinical features, how to investigate and the general principles of therapy of the common gastrointestinal, liver, biliary tract and pancreatic diseases.				
Prerequisites	ABS202		Co-requisites	-	
Course Content	- Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of the				

	common haematological diseases. - Biology of cancer, diagnosis of a malignancy, Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of cancer. - Principles and basic mechanisms of infection and infectious disease, approach of a patient with a suspected infection and general principles of antimicrobial chemotherapy. - Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of the common neurological diseases. - Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of the common renal diseases. - Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of common gastrointestinal, liver, biliary tract and pancreatic diseases.
Teaching Methodology	The course is delivered to the students through lectures, using computer-based presentations programmes. Case Studies, Discussion, Questions / Answers are also used depending on the content of the lecture. Lecture notes and presentations are available online for use by students in combination with textbooks. Relevant material published in international scientific journals are also used to follow the latest developments related to the subject of the course.
Bibliography	a. Textbooks: Kasper, D.L., Fauci, A. S., Hauser, S. L., Longo, D. L., Jameson, L. & Loscalzo, L. (2018). *Harrison's Principles of Internal Medicine* (Vol.1 & Vol.2), 20th ed. McGraw Hill. Kasper, D.L., Fauci, A. S., Hauser, S. L., Longo, D. L., Jameson, L. & Loscalzo, L. (2019). *Εσωτερική Παθολογία* (4 Τόμοι Set), 19η Έκδοση. Εκδόσεις Παρισάνου. **(In Greek)** *b.* References: Kumar, P. & Clark, M. (2007). *Παθολογία*. Ιατρικές εκδόσεις Λίτσας. **(In Greek)** Ράπτης, Σ. (2006). *Παθολογία*. Παρισιανός Ιατρικές Εκδόσεις. **(In Greek)** Braun, J. & Dormann, A. (2005). *Κλινικός Οδηγός - Παθολογία: Εξέταση-Διάγνωση-Θεραπεία-Επείγοντα*. Εκδ. Πασχαλιδης. **(In Greek)** Griffin, F. (2005). *Παθοφυσιολογια στην Κλινική Πράξη*. Εκδ. Πασχαλιδης **(In Greek)** *Through the services of the university library, access is provided to electronic repositories of scientific journals and articles, indicatively* ***ProQuest, Cambridge University Press*** and ***Science Direct*** *with*

	thousands of scientific journals in the fields of health sciences.
Assessment	The assessment of this course consists of the coursework (midterm exam, class participation) and final exam. **Mid-Term Exam: 20%.** A written midterm exam will be comprised by open questions with subqueries (100 points). **Student Participation and case studies: 20%.** The class participation includes formative assessments with interactive problem solving questions in different case studies. **Written Final Exam: 60%.** A written final exam will be comprised by open questions with subqueries (100 points).
Language	Greek / English