Course Title	**Internal Medicine and Pathophysiology I**				
Course Code	**ABS202**				
Course Type	Compulsory				
Level	BSc (Level 1)				
Year / Semester	2nd / Spring semester				
Instructor's Name	Dr. George Miltiadous				
ECTS	6	Lectures / week	3	Laboratories/week	-
Course Purpose	The course aims to introduce students to the pathological mechanisms that contribute to disease development and progression. It includes the process of pathophysiological changes in all the major systems as well as their correlation with common disorders and the affected clinical analytical parameters. The course includes the study of the most frequent diseases, the aetiology of signs and symptoms, diagnosis, treatment, prognosis, with highlights analytical diagnostic procedures . Special emphasis will be given to the common autoimmune diseases, the common endocrine diseases, the ischemic heart disease, heart failure, hypertension, hyperlipidaemia and the common pulmonary diseases. At the end of the course students will be able to explain the pathogenesis of the diseases as well as the typical laboratory analyses that should be performed, for monitoring and diagnosis.				
Learning Outcomes	- Describe the clinical features, how to investigate and the general principles of therapy of the common autoimmune diseases. - Demonstrate a thorough understanding of how to investigate and knowledge of the general principles of therapy of the common endocrine diseases. - Explain the clinical features, how to investigate and the general principles of therapy of ischemic heart disease, heart failure, hypertension and hyperlipidemia. - Choose the appropriate techniques for investigating and applying the general principles of therapy of the common pulmonary diseases.				
Prerequisites	None	Co-requisites	None		
Course Content	- Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of the common autoimmune diseases. - Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of the common endocrine diseases.				

	- Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of ischemic heart disease, heart failure, hypertension and hyperlipidemia. - Pathophysiological mechanisms, clinical features, clinical and laboratory investigation and general principles of treatment of the common pulmonary 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	• **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)** • **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: 20%.** The class participation includes formative assessments with interactive problem solving questions. **Written Final Exam: 60%.** A written final exam will be comprised by open

	questions with subqueries (100 points).
Language	Greek / English