assignment instruction, timely announcements, formative

quizzes and online submission of assignments.

ASSESSMENT:	Summative:			
	1 st assessment: In-class midterm examination (2-hour), Multiple choice, problems, essays, combination			
	2 nd assessment: Portfolio: questions aiming to prepare students for their first and final assessments in terms of content, context and time management	10%		
	Final assessment: In-class final examination (2-hour), Case study analysis, multiple choice and/or essay questions, comprehensive			
	Formative:			
	Multiple "diagnostic on-line" tests Multiple choice, short answers, essays	0		
	The formative MC (on-line) and written essays aim to prepare students for the summative assessments. The 1st assessment tests Learning Outcomes 1-3. The 2nd assessment tests all Learning Outcomes. The final assessment tests all Learning Outcomes and is comprehensive. The final grade for this module will be determined by averaging all summative assessment grades, based on the predetermined weights for each assessment. If students pass the comprehensive assessment that tests all Learning Outcomes for this module and the average grade for the module is 40 or higher, students are not required to resit any failed assessments.			
INDICATIVE READING:				REQUIRED READING: Murphy, Weaver and Berg, Janeway's Immunobiology, 10 th edition, Norton
	RECOMMENDED READING: Abbas, Lichtman and Pillai, Cellular and Molecular Immunology, 2022, Elsevier			
	Other sources, including journal articles, research papers etc. recommended by the instructor throughout the semester.			
INDICATIVE MATERIAL: (e.g. audiovisual, digital material, etc.)	REQUIRED MATERIAL: N/A			
	RECOMMENDED MATERIAL: N/A			
COMMUNICATION REQUIREMENTS:	Verbal and written skills using academic / professional English			
SOFTWARE REQUIREMENTS:	MS Office and Blackboard CMS			
INDICATIVE CONTENT:	 Overview of the immune system Structural anatomy and cell types involved (eosinophils, dendritic cells, lymphocyte, mast cells, monocytes) Lymphocyte maturation 			

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- Cytokines and cytokine regulation of the immune response and inflammation
- Effector T-cells and inducible and natural regulatory T-cells (Th1, Th2, Th17)
- Regulatory mechanisms (effector and suppressor T cells, proand anti-inflammatory cytokines)
- Structure and diversity of immunoglobulins (IgA, IgE, IgG, IgM) and their laboratory investigation
- Complement structure and function
- Hypersensitivity
- Allergic diseases and immunotherapy
- Laboratory investigation of allergy
- Immunological tolerance
- Immunodeficiency
- Acquired and innate immunity
- Inflammation and autoimmunity
- Cytokine and anti-cytokine therapy
- Current and experimental immunotherapy
- Vaccines and vaccine development