



Health and Sports Science Module Handbook
Faculty of Sports Science Universitas Negeri Makassar

Module designation		<i>Histology</i>				
Semester(s) in which the module is taught		4				
Person responsible for the module		Dr. Mutmainnah B, M.Kes, SpKJ Dr. Arimbi, S.Or, M.Pd Darul Husnul, S.Or, M.Kes				
Language		Bilingual (Bahasa and English)				
Relation to curriculum		Compulsory				
Teaching methods		3 parallel classes consist of 35 students/class: 1) Lecture (Face to face lecture): 2 hours x 14 weeks 2) Practical class: 2 hours x 14 weeks				
Workload	Total workload	140 hours				
		Face to face teaching	Structured activities	Independent study	Exam	total
	Lecture	28	28	28	4	88
	Practical class	28	10	10	4	52
	Total					140
Credit points		2 credits				
Required and recommended prerequisites for joining the module		None				
Module objectives / intended learning outcomes		<p>Upon completing the course, students will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate proficiency and expertise in the proper use of the light microscope in examining histological specimens on glass slides. 2. Recognize, identify, and describe the characteristic structures of cells, tissues, and organ systems of the body at the light microscope histologic level. 3. Know and understand the characteristics of tissues of the body (epithelium, connective, muscle, nerve) and their relationships in the various organ systems of the human body. 4. Understand the basic functions of cells and cellular organelles, tissues, and organ systems of the body as correlated with their histological structures. 5. Handle instruments used to prepare and study histological specimens. 6. Handle the histological glass slides and examine them 				



	<p>using the maximum microscopic facilities.</p>
<p>Content</p>	<ul style="list-style-type: none"> • Cell (cytoplasm, nucleus, and function). • Epithelium and Glands. • Connective Tissues (Colagen, Connective tissue cells, connective tissue proper I, II, III). • Muscle (Types of muscle, skeletal muscle, smooth muscle, cardiac muscle). • Blood (Plasma, erythrocytes, leukocytes, thrombocytes, hemopoiesis). • Circulatory System (artery and vein, heart). • Respiratory System (Trachea, bronchioles, lung tissue). • Digestive System (Tooth, tongue, stomach, pancreas, liver). • Urinary System (Kidney, renal cortex, renal medulla). • Female Reproductive System (Ovary, oviduct, uterus, placenta, and vagina). • Male Reproductive System (Testis, epididymis, prostate, penis, and urethra). • Special Senses (Eye, ear).
<p>Exams and assessment formats</p>	<p>Writing Assignment Student will be expected to write two (500 – 1000 words) issue papers, one for the first half of the course and the other for the second half. Students will read and summarize articles relating to issues from the class. The summaries should include an overview of the article’s main message(s), a description of how the article “fits” into the course, what was most interesting, and what students learned that they did not know before reading it.</p> <p>Weight: 30%</p> <p>Mid and Final Semester Exams There will be two exams during the course, mid and final semester exams. These exams will assess students’ knowledge of information learned from the course. The exams will cover material from lectures, readings, student assignments and class activities. The exams will be similar in format, consisting of multiple-choice and short answer/essay questions.</p> <p>Weight: 70%</p>



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Study and examination requirements	Students are expected to attend all classes as there will be assignments on some occasions, unless circumstances prevent them from attending and an email was sent prior to class. Final grading will be based on students' attendance, their assignments, and their scores in the mid and final semester exams.
Reading list	Gartner, L. P., & Hiatt, J. L. (2014). Color Atlas and Text of Histology, 6 th Edition. Wolters Kluwer. Ross, M. H., & Pawlina, W. (2016). Histology: A Text and Atlas. Wolters Kluwer.