Course Plan for Bachelor Program - Study Plan Development and Updating Procedures/ Pharmacy Department	QF02/0408-4.0E

Study Plan No.	**2021/2022**		**University Specialization**		**Bachelor of Nursing**	
Course No.	**0201161**		**Course Name**		**Anatomy for Nurses**	
Credit Hours	**3**		**Prerequisite *Co-requisite**		**Biology**	
Course Type	☐ Mandatory University Requirement	☐ University Elective Requirement	☐ Faculty Mandatory Requirement	☑ **Support course family requirements**	☐Mandatory Requirement	☐ Elective Requirement
Teaching Style	☐ Full Online Learning		☐ Blended Learning		☑ **Traditional Learning**	
Teaching Model	☐ 1 Synchronous: 1 Asynchronous		☐ 1 Face to Face: 1 Asynchronous		☑ **2 Traditional**	

Faculty Member and Study Divisions Information *(to be filled in each semester by the subject instructor)*

Name	Academic rank	Office No.	Phone No.	E-mail
Office Hours (Days/Time)	**Sunday, Tuesday, Thursday ()**		**Monday, Wednesday ()**	

Division number	Time	Place	Number of Students	Teaching Style	Approved Model
				Traditional Learning	**2 Traditional**

Brief Description

This course provides a comprehensive study of the anatomy of the human body. Starting with the organization and the directional terms of the human body, and the basic anatomical terminology. The course covers the gross anatomy of all the systems of the human body, and the relationship of one structure to another, and how structure and function are interrelated, in addition to clinical applications. Upon completion, students should be able to explain the organization and structure of various body systems which will later help in detecting any anatomical abnormalities during the clinical examination of the patient.

Learning Resources

Course Book Information (Title, author, date of issue, publisher ... etc)	Essentials of Human Anatomy and Physiology, Elaine Marieb, 2015, 11th edition, Pearson Education, Inc.			
Supportive Learning Resources (Books, databases, periodicals, software, applications, others)	1. Human Physiology, Stuart Ira Fox, 2019, 15th edition, Mc Graw Hill. 2. Principles of Anatomy and Physiology, Gerard J. Tortora and Bryan H. Derrickson, 2012, 13th edition, Wiley and Sons, Inc.			
Supporting Websites	-			
The Physical Environment for Teaching	☑ **Classroom**	☐ Labs	☑ **Virtual Educational Platform**	☐ Others

Necessary Equipment and Software	Moodle
Supporting People with Special Needs	
For Technical Support	E-Learning & Open Educational Resources Center. Email: elearning@zuj.edu.jo; Phone: +962 6 429 1511 ext. 425/362.

Course learning outcomes *(K= Knowledge, S= Skills, C= Competencies)*

No.	Course Learning Outcomes	The Associated Program Learning Output Code
Knowledge **The student should be able to:**		
K1	Identify the location of the component parts of the Integumentary, Skeletal, Muscular, Nervous, Cardiovascular, Respiratory, Digestive, Urinary, Reproductive, Endocrine, Lymphatic systems as well as Sense organs.	**MK1**
K2	Describe how structure correlates with function in each system covered in this course.	**MK1**
K3	Relate the different systems covered in this course to each other with respect to structure and function.	**MK1**
Skills **The student should be able to:**		
S1	Apply nursing care properly based on the knowledge obtained about the systems of the human body covered in this course.	**MS1**
Competencies **The student should be able to:**		
C1	Develop his/her professional and personal performance by continuously following-up lectures and submitting tasks on time.	**MC4**

Mechanisms for Direct Evaluation of Learning Outcomes

Type of Assessment / Learning Style	Fully Electronic Learning	Blended Learning	Traditional Learning (Theory Learning)	Traditional Learning (Practical Learning)
Midterm Exam	30%	30%	**30%**	0%
Participation / Practical Applications	0%	0%	**20%**	50%
Asynchronous Interactive Activities	20%	20%	**0%**	0%
Final Exam	50%	50%	**50%**	50%

Note 1: *Asynchronous interactive activities are activities, tasks, projects, assignments, research, studies, projects, and work within student groups ... etc, which the student carries out on his own, through the virtual platform without a direct encounter with the subject teacher.*

Note 2: *According to the Regulations of granting Master's degree at Al-Zaytoonah University of Jordan, 40% of final evaluation goes for the final exam, and 60% for the semester work (examinations, reports, research or any scientific activity assigned to the student).*

Schedule of Simultaneous / Face-to-Face Encounters and their Topics

Week	Subject	Learning Style*	Reference **
1	Introduction: Overview of anatomy; The human body orientation; The Language of Anatomy; Body Cavities; Body membranes; Classification of Body Membranes: Epithelial Membranes (Cutaneous Membrane, Mucous Membranes, Serous Membranes); Connective Tissue Membranes.	Lecture	Chapter 1 1-3 14-23 Chapter 4 109-112
2	The Integumentary System: Structure of the Skin; Skin Color; Appendages of the Skin.	Lecture	Chapter 4 112-117 119-124
3	Skeletal system: Classification of Bones, Types of Bone tissue (*in brief*). *Brief overview of* the Skeletal system: A. Axial skeletal system: Skull; Thoracic cage; Vertebral column. B. Appendicular skeletal system: Shoulder girdle; upper limb; Pelvic girdle; lower limb. C. Joints and Cartilage	Lecture	Chapter 5 134-141 146-165 158-160 170-182 182-195
4	The Muscular system Muscle Types; Types of Body Movements; *Brief overview of* Skeletal muscles	Lecture	Chapter 6 181-187 196-200 203-218
5	Nervous system: Organization of the Nervous System (Structural and Functional Classification); Nervous Tissue: Structure (Supporting Cells and Neurons);	Lecture	Chapter 7 225- 234
6	Central Nervous System (Functional Anatomy of the Brain; Protection of the Central Nervous System; Spinal Cord);	Lecture	Chapter 7 239-250
7	Peripheral Nervous System (Structure of a Nerve; Cranial Nerves and Spinal nerves); Autonomic Nervous System (Somatic and Autonomic Nervous Systems Compared; Anatomy of the Parasympathetic and the Sympathetic Division).	Lecture	Chapter 7 252- 266
8	Cardiovascular system: Anatomy of the Heart (Size; Location; and Orientation; Coverings and Walls of the Heart; Chambers and Associated Great Vessels; Heart Valves; Cardiac	Lecture	Chapter 11 356-363

	Circulation);		
9	Microscopic Anatomy of Blood Vessels (Tunics; Structural Differences in Arteries, Veins, and Capillaries). **Midterm**	Lecture	Chapter 11 370- 373
10	Respiratory system: External Respiration and Internal Respiration; The Nose; Pharynx; Larynx; Trachea; Main Bronchi; Lungs; the Respiratory membrane.	Lecture	Chapter 13 436- 444
11	Digestive system: Organs of the Alimentary Canal (Mouth; Pharynx; Esophagus; Stomach; Small Intestine; Large Intestine); Accessory Digestive Organs (Teeth; Salivary Glands; Pancreas; Liver; Gallbladder).	Lecture	Chapter 14 463- 476
12	Urinary system: Kidneys (Location and Structure; Nephrons); Ureters; Urinary Bladder; Urethra.	Lecture	Chapter 15 511- 516 520- 523
13	Reproductive system: Male reproductive system (Testes; Duct System; Accessory Glands and Semen; External Genitalia); Female reproductive system (Ovaries; Duct System; Mammary Glands).	Lecture	Chapter 16 538- 543 547- 551
14	Endocrine system: The major Endocrine organs (Pituitary Gland and Hypothalamus, Thyroid Gland, Parathyroid Glands, Adrenal Glands, Pancreatic Islets, Pineal Gland, Thymus, Gonads); Other Hormone-Producing Tissues and Organs: Placenta. Lymphatic system: Lymphatic Vessels; Lymph Nodes; Other Lymphoid Organs.	Lecture	Chapter 9 308- 309 312- 330 Chapter 12 398-403
15	Sense organs: Anatomy of the Eye (External and Accessory Structures; Internal Structures: The Eyeball); Anatomy of the Ear (External, middle and Inner Ear).	Lecture	Chapter 8 278- 287 290- 292
16	**Final Exam**	-	-

** Learning styles: Lecture, flipped learning, learning through projects, learning through problem solving, participatory learning ... etc.*
*** Reference: Pages in a book, database, recorded lecture, content on the e-learning platform, video, website ... etc.*

Schedule of Asynchronous Interactive Activities *(in the case of e-learning and blended learning)*

Week	Task / Activity	Reference	Expected Results
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