هيئة تقويم التعليم
Education Evaluation Commission
المركز الوطني للتقويم والاعتماد الأكاديمي
National Center for Academic Accreditation and Evaluation

ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

Anatomy laboratory (ANTN 202)

هيئة تقويم التعليم
Education Evaluation Commission

Course Specifications

Institution: University of Tabuk	Date:27 September/2019
College/Department : : University College of Umluj / Nursing Department	

A. Course Identification and General Information

1. Course title and code: Anatomy laboratory (ANTN 202)

2. Credit hours: 2 Hours

3. Program(s) in which the course is offered.
(If general elective available in many programs indicate this rather than list programs)

4. Name of faculty member responsible for the course:DR.Hananhassanelezaby

5. Level/year at which this course is offered: : Level 3 / 2ND year

6. Pre-requisites for this course (if any):

7. Co-requisites for this course (if any): Anatomy Theory (ANTN201)

8. Location if not on main campus: Main campus in Umluj

9. Mode of Instruction (mark all that apply):

a.traditionalclassroom	X	What percentage?	100%
b. blended (traditional and online)		What percentage?	
c.e-learning		What percentage?	
d.correspondence	X	What percentage?	
f.other		What percentage?	

Comments:

BObjectives

1. What is the main purpose for thiscourse?
This course is designed to assist the students to acquire the knowledge of the normal structure of human body and to ensure understanding of the alteration in anatomical structure in disease, as related to the practice of Nursing. By the end of the course, students should be able to:

- a. Apply appropriate anatomical concepts andterminologies;
- b. Utilize relevant concepts, principles, and theories in anatomy to understand disease processes;
- c. Value the role of Anatomy as one of the foundation courses of nursingprofession.

2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in thefield)

- Use of simulated or computer-aided instruction (CAI) in class discussion and power point presentation
- Focus on active learning teaching strategies to enhance life-longlearning
- Staffdevelopment
- Continuouseducation
- Feedback from peer review of the course content and evaluation of teachingeffectiveness

C. Course Description (Note: General description in the form used in Bulletin orhandbook)

Course Description:

The course provides the students with knowledge and skills of identifying various structure and function of the human body. This includes an Introduction to Human Anatomy l, Cellular and Tissue levels of structural organization, Integumentary, Skeletal, Muscular, Nervous including the Special senses, Endocrine, Cardiovascular, Lymphatic and Immune, Respiratory, Digestive, Urinary and Reproductive Systems.

1. Topics to be Covered

List of Topics	No. of Weeks	Contact hours
Orientation 1. Expectations from theCourse 2. CourseOutline 3. ClassroomPolicies 4. Grading System I Introduction to HumanBody 1. Definition of anatomy andphysiology 2. Levels of anatomystudy 3. Levels of structuralorganization 4. Organ systemoverview 5. The language ofanatomy a. Anatomicalposition b. Orientation and directionalterms c. Regional terms (anterior and posterior bodylandmarks) d. Body planes and sections e. Bodycavities	1	1
II Cells andTissues 1. Anatomy of a generalizedcell a. Cell parts andstructures b. Celldiversity 2. Major tissue types and naming epithelial tissues based on arrangement andshape III The IntegumentarySystem 1. Bodymembranes 2. Structure of skin and itsappendages	1	1
IV The Skeletal System 1. Two basic types of bonetissue 2. Classification of bones based onshape 3. Gross anatomy and structures of a longbone 4. Bonemarkings 5. Theskeleton a. Axial b. Appendicular 6. Joints a. Bodymovements	1	1

V The Muscular System 1. Microscopic Anatomy of SkeletalMuscles 2. Naming SkeletalMuscles 3. Gross Anatomy of Skeletal Muscles (Anterior andPosterior) a. Head andNeck b. Trunk c. Upper Limb(arm/shoulder) d. Lower Limb(hip/thigh/leg)	1	1
VI. The Cardiovascular System TheHeart 1. Location of theheart 2. Coverings and walls of theheart 3. Gross anatomy of the heart BloodVessels 1. Structure of bloodvessels 2. Major arteries of systemiccirculation 3. Major veins of the systemiccirculation 4. Specialcirculations a. Arterial brain supply/Circle ofWillis b. Hepatic-PortalCirculation 5. Location ofPulses	1	1
VII. TheBlood 1. Composition of blood and normal values of formedelements 2. Typing for ABO and Rh Blood groups VIII The Lymphatic System andImmunity 1. Distribution of lymphatic vessels and lymphnodes 2. Other lymphoidorgans	1	1
MIDTERM EXAMINATION	1	1
IX The Nervous System and Special Senses 1. Structural Classification of NervousSystem 2. General structure of aneuron 3. Brain regions andsubparts 4. Protection of theCNS 5. Anatomy of the spinalcord 6. Structure of anerve 7. Cranial and spinalnerves 8. Anatomy of the eye andear 9. Testing visual acuity and Demonstrating Reflex Activity of Intrinsic and Extrinsic EyeMuscles 10. Tests of hearing andequilibrium	1	1
X The Endocrine System 1. Location of the major endocrine organs of thebody 2. Major hormones produced by the major endocrineorgans		

XI The Respiratory System 1. Major respiratoryorgans 2. Anatomy of the respiratorytract 3. Structure of the lungs and pleuralcoverings	1	1
XII The Digestive System 1. Basic structure of the alimentarywall 2. Major digestive systemorgans 3. Gross anatomy of the stomach, small intestines, large intestines and biliarysystem	1	1
XIII. The UrinarySystem 1. Organs of the urinarysystem 2. Structure of the kidney, nephron and urinarybladder 3. Characteristics ofurine XIV. The ReproductiveSystem 1. Organs of the male reproductivesystem 2. Organs of the female reproductivesystem	1	1
FINAL PRACTICAL EXAMINATION	1	1
FINAL EXAMINATION FOR THEORY COURSES	1	1

2. Course components (total contact hours and credits per semester):

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed			30			30
	Actual						
Credit	Planed						
	Actual			1			1

3. Additional private study/learning hours expected for students per week. [ ]

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses arenot required to include learning outcomes from each domain.)

Code #	NQF Learning Domains And Course LearningOutcomes	Course Teaching Strategies	Course Assessment Methods

1.0	**Knowledge**		
1.1	Define anatomical terminologies correctly.	Lecture with lab demonstration Research activities Memorization	Laboratory exercises Quizzes Written and Practical Exams
1.2	Identify the general structural characteristics and location of body's structures accurately.	Lecture with lab demonstration Small Group Work Brainstorming	Laboratory exercises Quizzes Written and Practical Exams
1.3	Name human body parts correctly.	Lecture with lab demonstration Small Group Work	Laboratory exercises Quizzes Written and Practical Exams
2.0	**Cognitive Skills**		
2.1	Explain anatomical concepts of human body comprehensively.	Lecture with lab demonstration Small Group Work Brainstorming	Laboratory exercises Quizzes Written and Practical Exams
2.2	Analyze the effects of alterations in body structures.	Lecture with lab demonstration Small Group Work Brainstorming	Laboratory exercises Quizzes Written and Practical Exams
3.0	**Interpersonal Skills & Responsibility**		
3.1	Demonstrate ability to communicate with others effectively	Lecture with lab demonstration Small Group Work Brainstorming	Laboratory exercises
3.2			
4.0	**Communication, Information Technology, Numerical**		
4.1			
4.2			
5.0	**Psychomotor**		
5.1	Demonstrate ability to use anatomical concepts in understanding disease processes and medical/surgical management	Lecture-demonstration Small Group Work Brainstorming	Laboratory exercises Quizzes Written and Practical Exams
5.2			

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (i.e., essay, test, quizzes, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Laboratory Exercises	All Weeks	%10
2	Quizzes	As Scheduled	%25
3	Midterm practical Exam	7 th week	%15

4	Midterm written Exam	9 th week	%10
5	Final practical Examination	14th week	%25
	Final written Examination	14th week	%15
6	TOTAL		%100

D. Student Academic Counseling andSupport

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week) DR.Hananhassanelezaby Sunday 10-12

E Learning Resources

1. List Required Textbooks Marieb, Elaine N. (2012). Essentials of Human Anatomy and Physiology Laboratory Manual, 5th Edition. Benjamin Cummings, Pearson Education, Inc.,USA
2. List Essential References Materials (Journals, Reports, etc.) Marieb, Elaine N. and HoehnKatja (2012). Human Anatomy & Physiology. 9th Edition Snell, Richard MD, PhD. (2011). Clinical Anatomy by Regions Fox, Stuart Ira. (2008). Human Physiology. Eleventh Edition. The McGraw-Hill Companies
3. List Electronic Materials, Web Sites, Facebook, Twitter, etc. Madder, S. (2004). Madder: Understanding Human Anatomy& Physiology. Fifth Edition. The McGrawHill Companies Tate, Philip. (2009). Seeley's Principles of Anatomy and Physiology. 1st Edition. The McGraw-Hill Companies

4. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

None

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access, etc.)
1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) Lecture room that would be able to accommodate students for 2 hours a week with sufficient equipment. Anatomy Laboratory with well-equipped models, audio-visual aids and materials.
2. Technology resources (AV, data show, Smart Board, software, etc.) Laptop with data show to allow student to watch videos related to Anatomy
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) • Journals • Researcharticles

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching • Students/teacher focusgroup • Course Evaluation survey online
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department Classroom/Laboratory Formative and Summative Evaluation by the supervisor.

3. Processes for Improvement of Teaching • Staffdevelopment • Continuouseducation • Feedback from peer review of the course content and evaluation of teachingeffectiveness
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) •Periodic exchange and remarking of tests or with other facultymember • Evaluation of student's marks with course teacher and aco-staff
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. • Periodic updating of syllabus based on learners'needs. • Mid-yearplanning. • Provide course instructors with feedback of review results to propose improvementstrategies

Name of Course Instruct DR.Hananhassanelezaby

Signature:_____Date SpecificationCompleted: _____

ProgramCoordinator:_____Dr,Nagwamohamed

_____

Signature:_____ DateReceived: _____