هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-153

# Course Specification
(Bachelor)

| | |
|---|---|
| Course Title: | Anatomy and Histology |
| Course Code: | BMS26211 |
| Program: | All programs of Applied Medical Sciences |
| Department: | Basic Medical Sciences |
| College: | Applied Medical Sciences |
| Institution: | University of Bisha |
| Version: | 1 |
| Last Revision Date: | 1-2-1445 H |

وزارة التعليم - جامعة بيشة
Ministry Of Education - University Of Bisha
وكالة الجامعة للشؤون التعليمية

## Table of Contents



## A. General information about the course:

### 1. Course Identification

| | | | | | |
|---|---|---|---|---|---|
| **1. Credit hours: 2 (1+1)** | | | | | |
| **2. Course type** | | | | | |
| **A.** | ☐University | ☒ College | ☐Department | ☐Track | ☐Others |
| **B.** | ☒ Required | | ☐Elective | | |
| **3. Level/year at which this course is offered: (3rd level / 2nd year)** | | | | | |
| **4. Course general Description:** | | | | | |
| **This is two-credit hours theoretical and practical course, it consists of two parts, the first covers the anatomy of human body organs, and the second covers the types of tissues and histology of different body organs.** | | | | | |
| **5. Pre-requirements for this course** (if any)**:** | | | | | |
| **NA** | | | | | |
| **6. Pre-requirements for this course** (if any)**:** | | | | | |
| **NA** | | | | | |
| **7. Course Main Objective(s):** | | | | | |
| **The primary goal of this course is to provide undergraduate student with a comprehensive understanding of the structure of the human body at both macroscopic and microscopic levels.** | | | | | |

### 2. Teaching mode

| No | Mode of Instruction | Contact Hours | Percentage |
|---|---|---|---|
| 1 | Traditional classroom | 15 | 33.3% |
| 2 | E-learning | | |
| 3 | Practical | 30 | 66.7% |

| No | Mode of Instruction | Contact Hours | Percentage |
|---|---|---|---|
| 4 | Hybrid | | |
| 5 | Distance learning | | |

### 3. Contact Hours (based on the academic semester)

| No | Activity | Contact Hours |
|---|---|---|
| 1. | **Lectures** | 13 |
| 2. | **Laboratory/Studio** | 30 |
| 3. | **Tutorial** | 2 |
| 4. | **Others (specify) Self-learning** | 30 |
| **Total** | | 75 |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes | Code of CLOs aligned with program | Teaching Strategies | Assessment Methods |
|---|---|---|---|---|
| 1.0 | Knowledge and understanding | | | |
| 1.1 | Describe the major organs and systems of the human body. | K2 | Lectures, E-learning | Written exam, E-quiz E- assignments Oral exam |
| 1.2 | Recognize the anatomical structures of the human body systems | K2 | | |
| 1.3 | Describe the histological structure of different body tissues | K2 | | |
| 2.0 | Skills | | | |
| 2.1 | Perform proper examination of the human body parts | S1 | Practical, Lab demonstration | Written exam, Practical exam (continues, mid & final), Oral exam |
| 2.2 | Identify the histological structure of different human organ | S1 | | |
| 2.3 | Apply safety measures during lab work | S4 | | |
| 3.0 | Values, autonomy, and responsibility | | | |
| 3.1 | Display teamwork spirit | V3 | Practical | In lab evaluations E- assignment |
| 3.2 | Appreciate the need for life-long learning | V1 | | |

## C. Course Content

| No | List of Topics- Theory | Contact Hours |
|---|---|---|
| 1 | Anatomical positions and anatomical terms | 1 |
| 2 | introduction in the normal histological structure of the cell. Order the main four body tissues. | 2 |
| 3. | Types and anatomical classification of the muscles (Myology), the fine composition of the planned muscles, smooth muscle, and cardiac muscle. | 1 |
| 4. | Types and anatomical & histological structure of the bones (osteology) and cartilage. | 1 |
| 5. | Types and classification of the joint (Syndesmology) | 1 |
| 6. | The anatomical & histological structure of the thoracic cage, lungs and pleura | 1 |
| 7. | The anatomical & histological structure of the Heart and associated blood vessels. | 1 |
| 8. | The abdominal cavity and peritoneum | 1 |
| 9 | The anatomical & histological structure of the digestive system, Liver, spleen and pancreas | 3 |
| 10 | The anatomical & histological structure of the urinary system | 1 |
| 11 | The anatomical & histological structure of the Male and Female genital system | 1 |
| 12 | introduction in the anatomical & histological structure of the Nervous system | 1 |
| | **Total** | 15 |
| **No** | **List of Topics- Practical** | **Contact Hours** |
| 1 | Introduction of anatomy of different organs | 2 |
| 2 | Cytology | 2 |
| 3 | Epithelial tissue | 2 |
| 4 | Connective tissue, nervus tissue | 4 |
| 5 | Muscles of the upper limb and lower limb | 4 |
| 6 | Bones, Cartilage and Joint of the upper limb, lower limb | 2 |
| 7 | Thoracic Cavity, pleura, Respiratory system and Lung | 2 |
| 8 | Heart, pericardium and Blood (histology & anatomy) | 2 |
| 9 | Abdomen and Digestive system (histology & anatomy) | 2 |
| 10 | Liver, spleen and pancreas (histology & anatomy) | 2 |
| 11. | Urinary system (histology & anatomy) | 2 |
| 12. | Reproductive systems of male and females (histology & anatomy) | 2 |
| 13. | Nervous system (histology & anatomy) | 2 |
| | **Total** | 30 |

## D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|---|---|---|---|
| 1. | E-learning activities (Assignments and Quizzes) | 5th | 15 % |
| 2. | Lab evaluations | All through | 10 % |
| 3. | Oral exam | All through | 5 % |
| 4. | Midterm exam (Theoretical and Practical) | 8th | 20 % |
| 5. | Final practical exam | End of semester | 20 % |
| 6. | Final theory exam | End of semester | 30 % |
| | Total | | 100% |

## E. Learning Resources and Facilities

### 1. References and Learning Resources

| | |
|---|---|
| Essential References | 1. Mescher A L (2016). Janquiera's Basic Histology. Text and Atlas. 14th. Ed. McGraw-Hill Education.<br>2. Moore K L, Dalley A F & Agur A M (2014). Clinically Oriented Anatomy. 7th. Ed. Lippincott Williams & Wilkins.<br>3. Snell R S (2012). Clinical Anatomy by Regions. 9th. Ed. Lippincott Williams & Wilkins.<br>4. Snell R S (2006). Clinical Anatomy by Systems. Lippincott Williams & Wilkins |
| Supportive References | • Journal of Anatomy - Edited By: Julia Clarke, Thomas Gillingwater, Anthony Graham, Stefan Milz. Wiley online Library<br>• Anatomical Sciences Education. Edited By: Richard L. Drake, PhD and Wojciech Pawlina, MD<br>• Clinical Anatomy – Editor-in-Chief: R. Shane Tubbs. Wiley online Library<br>• The Anatomical Record - Wiley online Library. Edited By: Kurt H. Albertine, PhD<br>• Surgical and Radiologic Anatomy – Springer Link<br>Gary's Human Anatomy |
| Electronic Materials | 1. https://onlinemeded.org/<br>2. Learning uploaded on the blackboard |
| Other Learning Materials | 1. Primal Pictures – 3D human Anatomy – informa<br>2. Acland's Video Atlas of human Anatomy<br>3. Visible Body - Anatomy & Physiology. Argosy Publishing, Inc.<br>4. Saudi electronic library |

### 2. Required Facilities and equipment

| Items | Resources |
|---|---|
| **facilities** | 1. 2 Classrooms 30 students each<br>2. Small group discussion rooms 5<br>3. DR (anatomy)<br>4. Museum (anatomy)<br>5. Histology lab |
| **Technology equipment** | 1. Smart board<br>2. Audiovisual aids<br>3. High speed internet<br>4. Blackboard |
| **Other equipment** | 1. Light Microscopes<br>2. Complete set of histological slides<br>3. X-ray Boxes |

## F. Assessment of Course Quality

| Assessment Areas/Issues | Assessor | Assessment Methods |
|---|---|---|
| Effectiveness of teaching | Program Leaders<br>Peer Reviewer<br>Students<br>Faculty<br>Academic performance follows up committee.<br>Students GPA | Direct / Indirect |
| Effectiveness of Students' assessment | Program Leaders<br>Peer Reviewer<br>Students<br>Faculty<br>Academic performance follows up committee.<br>Examination committee | Direct / Indirect |
| Quality of learning resources | Program Leaders<br>Peer Reviewer<br>Students<br>Faculty<br>PLOs assessment committee | Direct / Indirect |
| The extent to which CLOs have been achieved | Program Leaders<br>Peer Reviewer<br>Students<br>Faculty<br>Academic performance follows up committee.<br>Examination committee<br>Students Results | Direct / Indirect |

## G. Specification Approval

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|---|---|
| **COUNCIL /COMMITTEE** | **DEPARTMENT COUNCIL** |
| **REFERENCE NO.** | **1/1444-1445** |
| **DATE** | **5/2/1445** |


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