|  |  |  |
| --- | --- | --- |
| **Course Title:** | Pathology 2 |  |
| **Course Code:** | path 390-3 |  |
| **Program:** | Bachelor degree of Pharmacy program |  |
| **Department:** | Department Pathology |  |
| **College:** | College of Medicine |  |
| **Institution:** | University of Najran |  |

A. Course Identification

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Credit hours:** | | | | **3(2+1)** | | | | | | | | | | | | |
| **2. Course type** | | | | | | | | | | | | | | | | |
| **a.** | University | |  | | College | | | √ | Department | | | |  | Others |  |  |
| **b.** | | Required | | | | √ | Elective | | |  |  | | | | | |
| **3. Level/year at which this course is offered:** | | | | | | | | | | | | **Level 6 / year 3** | | | | |
| **4. Pre-requisites for this course** (if any)**:**  Pathology 1 (389path) | | | | | | | | | | | | | | | | |
| **5. Co-requisites for this course** (if any)**:** | | | | | | | | | | | | | | | | |
| Non | | | | | | | | | | | | | | | | |

## 6. Mode of Instruction (mark all that apply)

| **No** | **Mode of Instruction** | **Contact Hours** | **Percentage** |
| --- | --- | --- | --- |
| **1** | **Traditional classroom** | 30 | 50% |
| **2** | **Blended** |  |  |
| **3** | **E-learning** |  |  |
| **4** | **Correspondence** |  |  |
| **5** | **Other:**  practical | 30 | 50% |

**7. Actual Learning Hours** (based on academic semester)

|  |  |  |
| --- | --- | --- |
| **No** | **Activity** | **Learning Hours** |
| **Contact Hours** | | |
| **1** | **Lecture** | 30 |
| **2** | **Laboratory/Studio** | 30 |
| **3** | **Tutorial** |  |
| **4** | **Others** (specify) |  |
|  | **Total** | 60 |
| **Other Learning Hours\*** | | |
| **1** | **Study** | 30 |
| **2** | **Assignments** |  |
| **3** | **Library** |  |
| **4** | **Projects/Research Essays/Theses** | 10 |
| **5** | **Others** (specify) |  |
|  | **Total** | 40 |

**\*** The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

# B. Course Objectives and Learning Outcomes

|  |
| --- |
| 1. Course Description This course covers systemic pathology (pathology2). It is concerned with the study of the body system and organs' main and common diseases like hypertension, atherosclerosis, asthma, diarrhea, peptic ulcer, renal failure, heart failure, liver cirrhosis, jaundice, sexually transmitted disease, uterine cervix cancer, breast cancer, anemias, leukemia, goiter, acromegaly, rickets, meningitis, Alzheimer, …etc.. |
|  |
| 2. Course Main Objective |
| By the end of the course, students should be able to demonstrate knowledge of :-   1. The main and common diseases, their causes, pathology, pathogenesis, clinical features and complications. |

## 3. Course Learning Outcomes

| **CLOs** | | **Aligned****PLOs** |
| --- | --- | --- |
| 1 | **Knowledge:** |  |
| 1.1 | To recognize facts about common and important related diseases (e.g. primary tuberculosis) affecting specific organs and body systems. | K1 |
| 1.2 | Define the terminologies used in pathology and clinical sciences | K1 |
| **2** | **Skills :** |  |
| 2.1 | To identify pathological changes on specimens or slides. | S4 |
| 2.2 | To write an essay on integrating topics | S4 |
| **3** | **Competence:** |  |
| 3.1 |  |  |

# C. Course Content

|  |  |  |
| --- | --- | --- |
| **No** | **List of Topics** | **Contact Hours** |
| **Lectures (theory part)** | | |
| 1 | Vascular diseases: Hypertension, atherosclerosis, | 1 |
| 2 | aneurysms, vasculitis, tumours | 1 |
| 3 | Ischemic heart diseases, myocarditis, cardiomyopathy  Endocardial diseases: rheumatic fever, infective endocarditis & valve diseases | 1 |
| 4 | Pericardial diseases & Heart failure | 1 |
| 5 | Upper respiratory tract, trachea & COPD, | 1 |
| 6 | Lung infections & Lung fibrosis and pneumoconiosis | 1 |
| 7 | Lung tumours, pleural diseases | 1 |
| 8 | Oral pathology, Salivary gland disorders & Eosophageal pathology | 1 |
| 9 | Stomach pathology :- Gastritis, Ulcers, tumors | 1 |
| 10 | Intestinal pathology 1:- Inflammatory conditions of the intestines. | 1 |
| 11 | Intestinal pathology 2:- Malabsorption syndrome, Intestinal obstruction & intestinal tumours, Diverticulosis & Peritoneal diseases | 1 |
| 12 | Liver pathology | 1 |
| 13 | Gallbladder & Pancreas (exocrine part) pathology | 1 |
| 14 | Urinary system pathology | 1 |
| 15 | Introduction to endocrine diseases & Pituitary gland pathology | 1 |
| 16 | Thyroid & Parathyroid pathology | 1 |
| 17 | Adrenals & endocrine pancreas pathology (Diabetes Mellitus) | 1 |
| 18 | Introduction to hematopathology and Basis of classification of anaemia | 1 |
| 19 | Deficiencies anaemia (iron & megaloblastic) | 1 |
| 20 | Congenital Haemolytic anaemias | 1 |
| 21 | Acquired Haemolytic anaemias & other anaemias (aplastic, …etc.) | 1 |
| 22 | Hematological malignancies: Leukaemia, myeloproliferative disorders and plasma cell malignancies e.g. multiple myeloma | 1 |
| 23 | Lymphoid tissue disorders and Lymphoma | 1 |
| 24 | Bleeding disorders:- platelet disorders & clotting factors deficiencies | 1 |
| 25 | Female genital tract pathology | 1 |
| 26 | Breast & Gestational (trophoblastic) pathology |  |
| 27 | Male genital tract pathology | 1 |
| 28 | Nervous system pathology | 1 |
| 29 | Bones, joints and skeletal muscles pathology | 1 |
| 30 | Skin pathology | 1 |
| **Practical part** | | |
| 1 | Vascular diseases practical | 2 |
| 2 | Cardiac diseases practical | 2 |
| 3 | Pulmonary pathology practical | 2 |
| 4 | GIT practical I: oral, esophagus and stomach pathology practical | 2 |
| 5 | GIT practical II : intestine pathology | 2 |
| 6 | Liver, gallbladder and pancreas pathology practical | 2 |
| 7 | Renal system practical | 2 |
| 8 | Endocrine practical | 2 |
| 9 | Haematopathology practical I | 2 |
| 10 | Haematopathology practical II | 2 |
| 11 | Female genital tract pathology practical | 2 |
| 12 | Male genital system practical | 2 |
| 13 | Nervous system pathology practical | 2 |
| 14 | Musculoskeletal pathology practical | 2 |
| 15 | Skin pathology practical |  |
|  |  |  |
|  |  |  |
| **Total** | |  |

# D. Teaching and Assessment

## 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| **Code** | **Course Learning Outcomes** | **Teaching Strategies** | **Assessment Methods** |
| --- | --- | --- | --- |
| **1.0** | **Knowledge** |  | |
| 1.1 | To recognize facts about common and important related diseases (e.g. primary tuberculosis) affecting specific organs and body systems | * lectures * Practicals classes | * Structured questions * MCQs * OSPE |
| 1.2 | Define the terminologies used in pathology and clinical sciences | * lectures | * Structured questions * MCQs |
| 1.3 |  |  |  |
|  |  |  |  |
| **2.0** | **Skills** | | |
| 2.1 | To identify pathological changes on specimens or slides. | Practicals classes | -OSPE |
| 2.2 | To write an essay on integrating topics | Writing on search topics | Evaluation of the essay |
| … |  |  |  |
| **3.0** | **Competence** | | |
| 3.1 |  |  |  |
| 3.2 |  |  |  |
| … |  |  |  |

## 2. Assessment Tasks for Students

| **#** | **Assessment task\*** | **Week Due** | **Percentage of Total Assessment Score** |
| --- | --- | --- | --- |
| **1** | **Final exam** (Theory) | 15 | 40% |
| **2** | **Final exam** (practical exam (OSPE)) | 13 | 20% |
| **3** | **Mid term exam** | 8-9 | 15% |
| **4** | **Quizzes :** as part of Continuous course assessment | 2-9 | 10% |
| **5** | **Writing an essay** | 10% | 5-10% |
| **6** | **Attendance** | 5% | All weeks |
| **7** |  |  |  |
| **8** |  |  |  |

**\*Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

# E. Student Academic Counseling and Support

|  |
| --- |
| **Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :** |
| Office hours whereby the teacher will be available at office for the students for further clarification and discussion of the taught topics (at least 2 hours/ day, 3days a week) |

# F. Learning Resources and Facilities

## 1.Learning Resources

|  |  |
| --- | --- |
| **Required Textbooks** | * 1. Pathology for the Health Proffessions by Ivan Damjanov   2. Illustrated pathology |
| **Essential References Materials** | 1. Essentials of Rubin's pathology, by Emmanuel and Howard . M 2. The big picture pathology 3. Robbin’s Pathologic Basis of Disease by Cotran, Kumar and Collins. 9th ed. |
| **Electronic Materials** | 1. Saudi digital library (SDL) 2. pathology CDs , 3. pathology websites e.g. pathmax.com, webpath.com 4. electronic version of pathology books and atlases |
| **Other Learning Materials** |  |

## 2. Facilities Required

| **Item** | **Resources** |
| --- | --- |
| **Accommodation** |  |
| **Technology Resources** |  |
| **Other Resources**  (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) |  |

# G. Course Quality Evaluation

| **Evaluation**  **Areas/Issues** | **Evaluators** | **Evaluation Methods** |
| --- | --- | --- |
| Effectiveness of teaching and assessment | Students | Indirect |
| Extent of achievement of course learning outcomes | Faculty-pathology department staff | Direct |
| Quality of learning resources, etc. | Students and staff | Indirect, direct |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Name of Course Instructor : Dr Abdelrahman Mohamed Abdelrahman Ibrahim

Signature 

# H. Specification Approval Data

|  |  |
| --- | --- |
| **Council / Committee** | Pathology department |
| **Reference No.** |  |
| **Date** | 26/1/1442H |

Pathology department head dr . Soliman alsaiari 