**College of Medicine, King Saud University**

**PATHOLOGY DEPARTMENT TEACHING ACTIVITIES**

**FOUNDATION BLOCK**

**First Year - 1435/1436H**

***Pathology, Biochemistry, Microbiology, Immunology & Genetics (Weekly Order)***

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| **Wk** | **Day / Date** | **Group** | **Time** | **Topic** | **Lecture / Practical** |
| **1** | **Wednesday**  8/11/1435H  (3/9/2014) | **A** | **11-12** | **Biochemistry** | Amino Acids |
| **B** | **8-9** | **Biochemistry** | Amino Acids |
| **F*emale*** | **9-10** | **Biochemistry** | Amino Acids |
| **Thursday**  9/11/1435H  (4/9/2014) | **A** | **8-9** | **Biochemistry** | Protein Structure |
| **B** | **9-10** | **Biochemistry** | Protein Structure |
| **F*emale*** | **10-11** | **Biochemistry** | Protein Structure |
| **2** | **Sunday**  12/11/1435H  (7/9/2014) | **Male** | **8 - 10** | ***PBL ( Case 1 – Tutorial 1)*** | |
| **Female** |
| **A** | **1-2** | **Biochemistry** | Introduction to Molecular Biology *(Nucleotides & DNA Language)* |
| **F*emale*** | **11-12** | **Biochemistry** | Introduction to Molecular Biology *(Nucleotides & DNA Language)* |
| **Monday**  13/11/1435H  (8/9/2014) | **A** | **11-12** | **Biochemistry** | Introduction to Molecular Biology *( DNA & RNA)* |
| **B** | **10-11** | **Biochemistry** | Introduction to Molecular Biology *(Nucleotides & DNA Language)* |
| **Tuesday**  14/11/1435H  (9/9/2014) | **F*emale*** | **9-10** | **Biochemistry** | Introduction to Molecular Biology *( DNA & RNA)* |
| **Wednesday**  15/11/1435H  (10/9/2014) | **Male** | **8 - 10** | ***PBL ( Case 1 – Tutorial 2)*** | |
| **Female** |
| **B** | **10-11** | **Biochemistry** | Introduction to Molecular Biology *( DNA & RNA)* |
| **Thursday**  16/11/1435H  (11/9/2014) | **A** | **10-11** | **Microbiology** | Bacterial structure and Genetics |
| **B** | **9-10** | **Biochemistry** | Structure and Functions of Carbohydrates |
| **11-12** | **Microbiology** | Bacterial structure and Genetics |
| **F*emale*** | **9-10** | **Biochemistry** | Structure and Functions of Carbohydrates |
| **10-11** | **Microbiology** | Bacterial structure and Genetics |

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| **Wk** | **Day / Date** | **Group** | **Time** | **Topic** | **Lecture / Practical** |
| **3** | **Sunday**  19/11/1435H  (14/9/2014) | **A** | **10-11** | **Pathology** | Introduction to Pathology |
| **11-12** | **Pathology** | Free Radical Injury, Types of Necrosis and Apoptosis |
| **1-2** | **Biochemistry** | Structure and Functions of Carbohydrates |
| **B** | **8-9** | **Pathology** | Introduction to Pathology |
| **1-2** | **Pathology** | Free Radical Injury, Types of Necrosis and Apoptosis |
| **F*emale*** | **8-9** | **Pathology** | Introduction to Pathology |
| **11-12** | **Pathology** | Free Radical Injury, Types of Necrosis and Apoptosis |
| **1-2** | **Genetics** | Human chromosomes: genotypes/phenotypes |
| **Monday**  20/11/1435H  (15/9/2014) | **A** | **9-10** | **Pathology** | Cellular accumulation and pathological calcification |
| **10-11** | **Genetics** | Human chromosomes: genotypes/phenotypes |
| **1-2** | **Pathology** | Adaptation to cell injuries |
| **B** | **8-9** | **Pathology** | Cellular accumulation and pathological calcification |
| **F*emale*** | **8-9** | **Pathology** | Cellular accumulation and Pathological calcification |
| **Tuesday**  21/11/1435H  (16/9/2014) | **A** | **1-2** | **Pathology** | Definition of inflammation; acute inflammation |
| **B** | **9-10** | **Pathology** | Adaptation to cell injuries |
| **10-11** | **Pathology** | Definition of inflammation; acute inflammation |
| **F*emale*** | **1-2** | **Pathology** | Adaptation to cell injuries |
| **Wednesday**  22/11/1435H  (17/9/2014) | **A** | **10-11** | **Microbiology** | Normal Flora |
| **1-3** | **Biochemistry** | **Practical :** DNA Extraction (Group A1) |
| **B** | **10-11** | **Genetics** | Human chromosomes: genotypes/phenotypes |
| **11-12** | **Microbiology** | Normal Flora |
| **F*emale*** | **8-9** | **Microbiology** | Normal Flora |
| **1-2** | **Pathology** | **Practical 1 –** Cell injury & inflammation - I |
| **Thursday**  23/11/1435H  (18/9/2014) | **B** | **8-10** | **Pathology** | **Practical 1 –** Cell injury & inflammation - I |
| **F*emale*** | **10-12** | **Pathology** | **Practical 2 –** Cell injury & inflammation - II |

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| **Wk** | **Day / Date** | **Group** | | **Time** | **Topic** | **Lecture / Practical** |
| **4** | **Sunday**  26/11/1435H  (21/9/2014) | **Male** | **8 - 10** | | ***PBL ( Case 2 – Tutorial 1)*** | |
| **Female** |
| **A** | | **11-12** | **Microbiology** | Host-parasite Relationship |
| **1-2** | **Pathology** | **Practical 2 –** Cell injury & inflammation - I |
| **B** | | **10-11** | **Microbiology** | Host-parasite Relationship |
| **1-3** | **Biochemistry** | **Practical :** DNA Extraction ( Group B1) |
| ***Female*** | | **11-12** | **Microbiology** | Host-Parasite Relationship |
| **Monday**  27/11/1435H  (22/9/2014) | **A** | | **8-10** | **Pathology** | **Practical 2 –** Cell injury & inflammation - II |
| **10-11** | **Microbiology** | Viral structure classification |
| **B** | | **8-9** | **Microbiology** | Viral structure & classification |
| **1-3** | **Biochemistry** | **Practical :** DNA Extraction ( Group B2) |
| ***Female*** | | **8-9** | **Microbiology** | Classification of Parasites and Protozoa |
| **9-10** | **Biochemistry** | Lipid compounds of physiological significance |
| **Tuesday**  28/11/1435H  (23/9/2014) |
| **Wednesday**  29/11/1435H  (24/9/2014) | **Male** | | **8 - 10** | ***PBL ( Case 2 – Tutorial 2)*** | |
| **Female** | |
| **A** | | **10-11** | **Microbiology** | Classification of Parasites and Protozoa |
| **11-12** | **Biochemistry** | Lipid compounds of physiological significance |
| **1-3** | **Biochemistry** | **Practical :** DNA Extraction (Group A2) |
| **B** | | **10-11** | **Biochemistry** | Lipid compounds of physiological significance |
| **11-12** | **Microbiology** | Classification of Parasites and Protozoa |
| **1-3** | **Pathology** | **Practical 2 –** Cell injury & inflammation - II |
| ***Female*** | | **10-11** | **Biochemistry** | Enzymes and Co-enzymes (I) |
| **11-12** | **Microbiology** | Viral structure classification |
| **Thursday**  1/12/1435H  (25/9/2014) | **A** | | **10-11** | **Biochemistry** | Enzymes and Co-enzymes (I) |
| **B** | | **8-9** | **Biochemistry** | Enzymes and Co-enzymes (I) |
| **F*emale*** | | **8-10** | **Biochemistry** | **Practical:** DNA extraction ( Group F1) |
| **10-12** | **Biochemistry** | **Practical:** DNA extraction ( Group F2) |

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| **5-6** | **EID AL-ADHA VACATION** | **From: Sun 4.12.1435H (28.9.2014) (Week 5)**  **To : Sat 17.12.1435H (11.10.2014) (Week 6)** |

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| **Wk** | **Day / Date** | **Group** | | **Time** | **Topic** | **Lecture / Practical** |
| **7** | **Sunday**  18/12/1435H  (12/10/2014) | **Male** | **8 - 10** | | ***PBL ( Case 3 – Tutorial 1)*** | |
| **Female** |
| **A**  **B** | **10-11** | | **Microbiology** | Gram positive bacteria & Gram negative bacteria |
| **B** | **10-11** | | **Microbiology** | Anaerobic bacteria |
| **11-12** | | **Microbiology** | Gram positive bacteria & Gram negative bacteria |
| **F*emale*** | **11-12** | | **Microbiology** | Gram positive bacteria & Gram negative bacteria |
| **Monday**  19/12/1435H  (13/10/2014) | **A** | **9-10** | | **Immunology** | Introduction to immunology & the lymphoid system |
| **1-2** | | **Microbiology** | Sterilization and disinfection |
| **B** | **9-10** | | **Microbiology** | Sterilization and disinfection |
| **10-11** | | **Microbiology** | Viral pathogenesis |
| **1-2** | | **Immunology** | Introduction to immunology & the lymphoid system |
| **F*emale*** | **9-10** | | **Biochemistry** | Enzymes and Co-enzymes (II) |
| **11-12** | | **Microbiology** | Sterilization and disinfection |
| **1-2** | | **Immunology** | Introduction to immunology & the lymphoid system |
| **Tuesday**  20/12/1435H  (14/10/2014) | **A** | **8-9** | | **Genetics** | Chromosomal anomalies |
| **9-10** | | **Biochemistry** | Enzymes and Co-enzymes (II) |
| **10-11** | | **Microbiology** | Viral Pathogenesis |
| **11-12** | | **Immunology** | Natural defense mechanisms |
| **B** | **9-10** | | **Genetics** | Chromosomal anomalies |
| **10-11** | | **Immunology** | Natural defense mechanisms |
| **11-12** | | **Biochemistry** | Enzymes and Co-enzymes (II) |
| **F*emale*** | **9-10** | | **Genetics** | Chromosomal anomalies |
| **11-12** | | **Pathology** | Definition of inflammation; acute inflammation |
| **1-2** | | **Immunology** | Natural defense mechanisms |
| **Wednesday**  21/12/1435H  (15/10/2014) | **Male** | **8 - 10** | | ***PBL ( Case 3 – Tutorial 2)*** | |
| **Female** |
| **A** | **11-12** | | **Immunology** | Cell-mediated immunity |
| **B** | **10-11** | | **Immunology** | Cell-mediated immunity |
| **F*emale*** | **1-2** | | **Immunology** | Cell-mediated immunity |
| **Thursday**  22/12/1435H  (16/10/2014) | **A** | **10-11** | | **Biochemistry** | Introduction to Metabolism : Anabolism & Catabolism |
| **B** | **11-12** | | **Biochemistry** | Introduction to Metabolism : Anabolism & Catabolism |
| **F*emale*** | **11-12** | | **Biochemistry** | Introduction to Metabolism : Anabolism & Catabolism |

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| **Wk** | **Day / Date** | **Group** | | **Time** | **Topic** | **Lecture / Practical** | |
| **8** | **Sunday**  25/12/1435H  (19/10/2014) | **A** | **9-10** | | **Biochemistry** | Cell signaling & Regulation of Metabolism | |
| **2-3** | | **Pathology** | Chemical mediators in inflammation and patterns of acute inflammation | |
| **B** | **8-9** | | **Pathology** | Chemical mediators in inflammation and patterns of acute inflammation | |
| **11-12** | | **Pathology** | Vascular and cellular events in inflammation | |
| **F*emale*** | **8-10** | | **Pathology** | **Practical 3 –** Thromboembolic disorders | |
| **11-12** | | **Pathology** | Chemical mediators in inflammation and patterns of acute inflammation | |
| **Monday**  26/12/1435H  (20/10/2014) | **All Groups** | **8-10** | |
| **A** | **10-12** | | **Pathology** | **Practical 3 –** Thromboembolic disorders | |
| **1-2** | | **Pathology** | Vascular and cellular events in inflammation | |
| **B** | **10-11** | | **Microbiology** | The Fungi and their pathogenesis | |
| **11-12** | | **Immunology** | Antibody-mediated immunity | |
| **1-3** | | **Pathology** | **Practical 3 –** Thromboembolic disorders | |
| **F*emale*** | **10-11** | | **Microbiology** | Viral pathogenesis | |
| **11-12** | | **Biochemistry** | Cell signaling & Regulation of Metabolism | |
| **Tuesday**  27/12/1435H  (21/10/2014) | **A** | **9-10** | | **Pathology** | Chronic inflammation | |
| **1-2** | | **Immunology** | Antibody-mediated immunity | |
| **B** | **9-10** | | **Biochemistry** | Cell signaling & Regulation of Metabolism | |
| **10-11** | | **Pathology** | Chronic inflammation | |
| **11-12** | | **Biochemistry** | Major metabolic pathways of glucose | |
| **F*emale*** | **8-9** | | **Microbiology** | Anaerobic bacteria | |
| **9-10** | | **Pathology** | Vascular and cellular events in inflammation | |
| **10-11** | | **Pathology** | Chronic inflammation | |
| **1-2** | | **Immunology** | Antibody-mediated immunity | |
| **Wednesday**  28/12/1435H  (22/10/2014) | **A** | **8-9** | | **Microbiology** | | Anaerobic bacteria |
| **Male (E)** | **1-3** | | ***Integrated Clinical Skills activity (Clinical Laboratories)*** | | |
| **Female(D)** | **9-12** | |
| **Thursday**  29/12/1435H  (23/10/2014) | **A** | **8-9** | | **Microbiology** | The Fungi and their pathogenesis | |
| **10-11** | | **Biochemistry** | Major metabolic pathways of glucose | |
| **11-12** | | **Pathology** | Mechanism of and factors affecting healing and repair | |
| **B** | **10-11** | | **Pathology** | Mechanism of and factors affecting healing and repair | |
| **F*emale*** | **8-9** | | **Microbiology** | The Fungi and their pathogenesis | |
| **9-10** | | **Pathology** | Mechanism of and factors affecting healing and repair | |
| **10-11** | | **Biochemistry** | Major metabolic pathways of glucose | |

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| **Wk** | **Day / Date** | **Group** | | **Time** | **Topic** | **Lecture / Practical** |
| **9** | **Sunday**  2/1/1436H  (26/10/2014) | **A** | **8-9** | | **Pathology** | Definition, Mechanisms and causes of Granulomas |
| **9-11** | | **Pathology** | **Practical 4 –** Granulomas |
| **1-2** | | **Biochemistry** | Glycolysis |
| **B** | **9-10** | | **Pathology** | Definition, Mechanisms and causes of Granulomas |
| **10-11** | | **Microbiology** | Diversity of pathogenic molds and yeasts |
| **11-12** | | **Biochemistry** | Glycolysis |
| **1-3** | | **Pathology** | **Practical 4 –** Granulomas |
| **F*emale*** | **9-10** | | **Pathology** | Definition, Mechanisms and causes of Granulomas |
| **10-11** | | **Biochemistry** | Glycolysis |
| **1-2** | | **Genetics** | Mode of inheritance |
| **Monday**  3/1/1436H  (27/10/2014) | **A** | | **9-10** | **Biochemistry** | Krebs Cycle |
| **10-11** | **Microbiology** | Diversity of pathogenic molds and yeasts |
| **B** | | **9-10** | **Genetics** | Mode of inheritance |
| **10-11** | **Biochemistry** | Krebs Cycle |
| **F*emale*** | | **10-11** | **Biochemistry** | Krebs Cycle |
| **11-12** | **Microbiology** | Diversity of pathogenic molds and yeasts |
| **1-2** | **Genetics** | Atypical mode of inheritance |
| **Tuesday**  4/1/1436H  (28/10/2014) | **A** | | **10-11** | **Biochemistry** | Gluconeogenesis |
| **11-12** | **Genetics** | Mode of inheritance |
| **B** | | **9-10** | **Genetics** | Atypical mode of inheritance |
| **11-12** | **Biochemistry** | Gluconeogenesis |
| ***Female*** | | **9-11** | **Pathology** | **Practical 4 –** Granulomas |
| **11-12** | **Biochemistry** | Gluconeogenesis |
| **Male (F)** | | **1-3** | ***Integrated Clinical Skills activity (Clinical Laboratories)*** | |
| **Wednesday**  5/1/1436H  (29/10/2014) | **Male (G)** | | **9-12** | ***Integrated Clinical Skills activity (Clinical Laboratories)*** | |
| **Male (H)** | | **1-3** |
| **Thursday**  6/1/1436H  (30/10/2014) | **A** | | **8-9** | **Genetics** | Atypical mode of inheritance |
| **Male (I)** | | **9-12** | ***Integrated Clinical Skills activity (Clinical Laboratories)*** | |

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| **Wk** | **Day / Date** | **Group** | **Time** | **Topic** | **Lecture / Practical** |
| **10** | **Sunday**  9/1/1436H  (2/11/2014) | **A** | **9-10** | **Pathology** | Classification of tumors |
| **10-11** | **Immunology** | Hypersensitivity |
| **1-3** | **Pathology** | **Practical 5 –** Neoplasia ( I ) |
| **B** | **8-9** | **Pathology** | Classification of tumors |
| **10-12** | **Pathology** | **Practical 5 –** Neoplasia ( I ) |
| **1-2** | **Immunology** | Hypersensitivity |
| **F*emale*** | **10-11** | **Pathology** | Classification of Tumors |
| **11-12** | **Microbiology** | Helminthes and Arthropods |
| **Monday**  10/1/1436H  (3/11/2014) | **A** | **9-10** | **Immunology** | Introduction to Immune deficiency |
| **10-11** | **Microbiology** | Helminthes and Arthropods |
| **11-12** | **Pathology** | Properties of benign and malignant neoplasms |
| **1-3** | **Microbiology** | **Practical ;** Identification of Micro-Organisms |
| **B** | **10-11** | **Pathology** | Properties of benign and malignant neoplasms |
| **11-12** | **Immunology** | Introduction to Immune deficiency |
| **1-2** | **Microbiology** | Helminthes and Arthropods |
| **F*emale*** | **10-12** | **Pathology** | **Practical 5** – Neoplasia ( I ) |
| **1-2** | **Immunology** | Hypersensitivity |
| **Tuesday**  11/1/1436H  (4/11/2014) | **Male (G)** | **9-12** | ***Integrated Clinical Skills activity (Clinical Laboratories)*** | |
| **F*emale*** | **1-3** | **Microbiology** | **Practical ;** Identification of Micro-Organisms |
| **Wednesday**  12/1/1436H  (5/11/2014) | **Female (A)** | **9-12** | ***Integrated Clinical Skills activity (Clinical Laboratories)*** | |
| **Female (B)** | **1-3** |
| **Thursday**  13/1/1436H  (6/11/2014) | **Female (C)** | **9-12** |

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| **Wk** | **Day / Date** | **Group** | **Time** | **Topic** | **Lecture / Practical** |
| **11** | **Sunday**  16/1/1436H  (9/11/2014) | **A** | **8-10** | **Pathology** | **Practical 6 –** Neoplasia ( II ) |
| **10-11** | **Pathology** | Etiology of tumors |
| **11-12** | **Biochemistry** | Biochemical markers for diagnosis and follow up of disease |
| **B** | **9-10** | **Biochemistry** | Biochemical markers for diagnosis and follow up of disease |
| **10-12** | **Pathology** | **Practical 6 –** Neoplasia ( II ) |
| **1-2** | **Pathology** | Etiology of tumors |
| **F*emale*** | **9-10** | **Pathology** | Properties of benign and malignant neoplasms |
| **10-11** | **Pathology** | Etiology of tumors |
| **11-12** | **Biochemistry** | Biochemical markers for diagnosis and follow up of disease |
| **1-2** | **Immunology** | Introduction to Immune deficiency |
| **Monday**  17/1/1436H  (10/11/2014) | **A** | **9-10** | **Pathology** | Carcinogenesis |
| **10-11** | **Microbiology** | Introduction to Antibiotics |
| **1-2** | **Pathology** | Principles of grading and staging of malignant tumors and Local and systemic manifestations of malignant neoplasms |
| **B** | **8-9** | **Pathology** | Carcinogenesis |
| **9-10** | **Microbiology** | Introduction to Antibiotics |
| **11-12** | **Pathology** | Principles of grading and staging of malignant tumors and Local and systemic manifestations of malignant neoplasms |
| **1-3** | **Microbiology** | **Practical ;** Identification of Micro-Organisms |
| **F*emale*** | **10-12** | **Pathology** | **Practical 6 –** Neoplasia ( II ) |
| **1-2** | **Pathology** | Carcinogenesis |
| **Tuesday**  18/1/1436H  (11/11/2014) | ***Female*** | **8-9** | **Microbiology** | Introduction to Antibiotics |
| **10-11** | **Pathology** | Principles of grading and staging of malignant tumors and Local and systemic manifestations of malignant neoplasms |

*Dr. Sayed : Found Block 1435/1436*

**Lectures Practicals (for each group)**

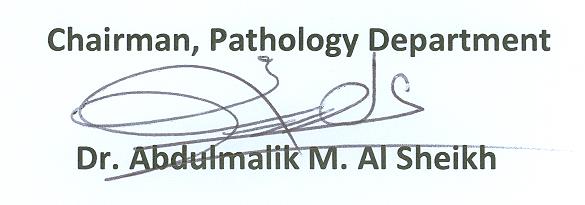
**Pathology 15 6**

**Microbiology 13 -**

**Biochemistry 15 1**

**Immunology 6 -**

**Genetics 4 -**

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**Male (Group A)** : Lecture Hall 1 (New Bldg – Level 1)/ **Male (Group B)** : Lecture Hall 2 (New Bldg – Level 2) **F*emales***: Hall # 1 (Bldg # 9 – Ground Floor)

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