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| Date | Outline | Reading Assign  Chapter in McKinzie | Lecture  Quest | Lab | | | | Quiz or test |
| Sept 4 | Intro, Hematopoiesis ( Bone Marrow structure and function, other organs of hematopoiesis | 1&4 |  | Lab Safety, microscope use and specimen collection | | | |  |
| Sept  9 | Hematopoiesis continued (derivation of blood cells, cell maturation, reproduction and nomenclature) | 2&3 | 1&2 | Estimated leukocyte and platelet counts | | | | Practical - Microscope |
| Sept  11 | Erythrocytes ( Maturation, structure, metabolism, kinetics, regulation, function, testing, reference intervals, and variations) | 5&6 | 3&4 | | Manual Counts | | | Lecture Quiz 1- hematopoiesis |
| Sept  16 | Hemoglobin (structure, synthesis, ontology, regulation, function, & erythrocyte destruction) | 6 |  | Hemoglobin, hematocrit, sedimentation rate | | | | Practical – Manual counts |
| Sept 18 | Leukocytes (Neutrophils, eosinophils, basophiles, maturation, function, and kinetics) | 7 | Leukocyte | Make and stain blood slides | | | |  |
| Sept  23 | Off | | | | | | | |
| Sept 25 | Leukocytes (lymphocytes, monocytes/Macrophages, plasma cells and megakaryocytes |  |  | Counting differentials | | | | Lecture Quiz 2- erythrocytes |
| Sept 30 | Normal peripheral smear and routine hematology procedures | 34&36 | 5 | Counting differentials | | | |  |
| Oct  2 | Erythrocyte disorders (Anemia: general aspects and classification, use of indices and reticulocyte count, bone marrow examination) | 8 | 6 | Counting Differentials | | | |  |
| Oct  7 | Erythrocyte disorders (red cell changes in disease) |  |  | Counting Differentials | | | | Lecture Quiz 3-hemoglobin and leukocytes |
| Oct  9 | Iron metabolism, Anemia of abnormal iron metabolism (iron deficiency anemia, sideroblastic anemia | 9 | 7 | Counting Differentials | | | | Lecture Test 1  Practical – Making slides and counting them |
| Oct  14 |  | | | | | | | |
| Oct  16 | Macrocytic Anemia (Megaloblastic: Vitamin B12, and Folic Acid; Macrocytic anemia: liver disease, alcoholism, stimulated erythropoiesis) | 12 | 8 | Red cell morphology | | Lecture Quiz 4 – Peripheral smear and erythrocyte disorders | | |
| Oct  23 | Hemolytic anemia (intracorpuscular: membrane and enzyme disorders) | 14,15,16 | 9 | Red cell morphology | |  | | |
| Oct  28 | Hemolytic Anemia (extracorpuscular) | 17&18 |  | Red cell indices | | Practical 4 – Red Cell Morphology | | |
| Oct  30 | Hemoglobinopathies  Thalassemia | 10&11 | 10&11 | | Instruments | Lecture Quiz 5 – Iron Metabolism and Megaloblastic Anemia  Practical 5 - Indices | | | 10 | 10 | Instruments | Lecture Quiz 5 – Iron Metabolism and Megaloblastic Anemias |
| Nov  4 | Hypoproliferative Anemia | 13 | 12 | | Center for Family Medicine | | Lecture Quiz 6 – Hemolytic Anemia, Hemoglobinopathies, and Thalassemia | |
| Nov  6 | Nonmalignant Granulocytic Disorders | 19 | 13 | | Bone Marrow | |  | |
| Nov  11 | Nonmalignant Granulocytic disorders continued |  |  | | Abnormal Slides | | Practical 6 – Instruments and Bone Marrow | |
| Nov  13 | Nonmalignant Lymphocytic Disorders | 20 | 14 | | Abnormal Slides | | Lecture Test 2 – Peripheral smear through Thalassemia | |
| Nov  18 | Flow Cell and Hematopoietic Neoplasms | 21&37 | 15 | | Abnormal Slides | | Lecture Quiz 7 – Nonmalignant granulocytes and lymphocytes | |
| Nov 20 | Acute Leukemia | 24&25 | 16 | | Quality Control | |  | |
| Nov 25 | MyeloproliferativeDisorders | 22 | 17 | | Reticulocyte Counts | | | Practical 7 – Abnormal Slides | 22 | 17 | Counts Reticulocyte | Practical 7 – Abnormal Slides |
| Nov 27 | Myelodysplastic Disorders | 23 | 18 | Coagulation | | | Lecture Quiz 8 – Neoplastic, Flow Cell and Acute Leukemia | |
| Dec  2 | Lymphoid Leukemia | 26 | 19 | Coagulation | | | Practical 8 – Reticulocyte Counts | |
| Dec  4 | Coagulation | 29,30&  40 | 20 | Case Studies | | | Lecture Quiz 9 – Acute Leukemia & myeloproliferative Disorders  Practical 9 - Coagulation | |
| Dec  9 | Review and Projects |  |  | Review | | | Lecture Quiz 10 – Myelodysplastic, Lymphoid Leukemia & Coagulation  Practical Final | |
| Dec  11 | Review and Projects |  |  |  | | | Final | |
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\*MAY BE SUBJECT TO CHANGE