



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Hematology II
Course Number: MLT124

Required Materials

Textbook(s):

Keohane, E. M., Smith, L. J., & Walenga, J. M. (2023). *Rodak's hematology: Clinical principles and applications* (7th ed.). Elsevier.

Rodak, B. F., & Carr, J. H. (2012). *Clinical hematology atlas* (4th ed.). Elsevier Saunders.

Required Readings: See weekly calendar below.

Additional Materials: Black permanent marker to write on glass test tubes, Personal protective equipment for lab and Scientific calculator

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Lecture Topic	Readings for Lecture	Assignments/ Assessments	Lab activities
Week 1	Hemostasis	Utilize Keohane book for lecture readings. Chapters 35-42	Coag Review HW #1. Med Training Coag	Utilize Rodak atlas for lab activities. Tilt tube PT Begin CACMLE RBC worksheet
Week 2	Hemostasis	Chapters 35-42	Review HW & Coag case studies 1-3.	KCI Delta PT Continue CACMLE

Week 3	Hemostasis	Chapters 35-42	Review HW & Coag case studies CACMLE	Platelet works platelet aggregation lab KCI Delta PTT CACMLE due by 1PM
Week 4	Hemostasis test review -Peri smear review -Morphologic changes in RBC's -RBC inclusions and shape variations	Chapters 10-11	Test 1 Hemostasis RBC morph assignment & RBC case studies	Start RBC morphology grading packet. Begin CACMLE WBC worksheet
Week 5	Acute and Chronic Anemias	Chapters 20, 21, 22	Anemia Table Worksheet	RBC morphology Grading Packet, Continue WBC CACMLE Packet
Week 6	Acute and Chronic Anemias	Chapters 20, 21, 22	RBC Drawings & Case Studies	
Week 7	Test 2 –review Peri smears RBC disorders continued	Chapters 23 & 24	Test 2 Peri Smears RBC Drawings, RBC Case Studies	RBC morphology grading packet, Continue WBC CACMLE packet
Week 8	Hemoglobinopathies, Sickle Cell, HGB C,	Chapters 27, 28	Anemia table Worksheet	Finish RBC morphology grading packet. CACMLE WBC packet Start in-class 30 diffs.
Week 9	Test 3 Review -WBC Review - Acute and Chronic Leukemia introduction -Nonmalignant WBC disorders -Myeloproliferative and Lymphocytic	Review Chapters 26	Test 3 Anemias & Hemoglobinopathy Anemia table due	In class- 30 diffs
Week 10	Chronic Leukemias	Chapters 31 & 34	WBC morph assignment & WBC	In-class 30 diffs

	-Myeloproliferative disorders -Myelodysplastic syndromes		Case Studies	
Week 11	Leukemias cont. -Lymphoid and Plasma cell -Lymphoproliferative Disease	Chapter 37	WBC morph assignment and WBC Cases Studies	In-class 30 diffs
Week 12	Chronic Myeloproliferative Myelodysplastic Syndromes	Chapters 33, 34, 35	WBC Morph & Case Studies	In-class 30 diffs
Week 13	Test 4 WBC Disorders Platelet Morphology and Bone Marrow Biopsy	Chapters 13, 39	Test 4 WBC Disorders	In class 30 diffs due at end of class
Week 14	Review for Final Review for final exam catch up		Platelets and BM	Practice Practical Exam
Week 15	Final Practical Exam			Final Practical
Week 16	Final Written Exam		Exam Week	Final Exam