



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Urinalysis and Body fluids
Course Number: MLT122

Required Materials

Textbook(s):

Strasinger, S. K., & Di Lorenzo, M. S. (2014). *Urinalysis and body fluids* (6th ed.). F.A. Davis Company.

Required Readings:

See weekly calendar below.

Additional Materials:

Personal Protective equipment: nonlatex gloves, disposable fluid resistant lab coat, black markers, scientific calculator and note taking supplies

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	Read and review	Assignment dates due	Lab
Week 1 Day 1	www.medtraining.org	<p>**Medtraining.org</p> <p>7 safety lessons and tests (biosafety, chemical safety, electrical safety, ergonomic safety, fire safety, formaldehyde safety, and UV safety)</p> <p>**Medtraining.org</p> <p>View CSF, Serous Fluid, Synovial, Amniotic and Seminal fluid</p>		

Week #	Lecture topic	Read and review	Assignment dates due	Lab
Day 1	Cerebrospinal Fluid And Serous Body Fluids	Chapter 9 Chapter 12 Taking the Mystery Out of body Fluid Analysis (3/29/2023): https://webinars.sysmex.com/webinars Take quiz on Taking the Mystery Out of Body Fluid Analysis (3/29/2023): on Blackboard You will need to make an account on Sysmex website to view Webinars Review Body Fluid Differential tutorial on-line training in black binder and take quiz Review CACMLE BF CD		Cell counts on hemocytometer Review math on hemocytometer
Day 2	Continue with Serous Body fluid Semen and Amniotic fluid (to be reviewed on your own, no lecture provided)	Chapter 10 and 13 Review and answer questions Focus: Body Fluids: Introduction Posted on Blackboard		Body fluid assignment
Day 3	Synovial fluid Renal Function	Chapter 11 Chapter 4 Review CACMLE BF CD	CACMLE Fluids Quiz on black board	Cell counts on hemocytometer Continue body fluid assignment
<u>Week 2</u> Day 1	Introduction to Urinalysis, Physical, chemical and microscopic Examination of Urine	Chapter 3 Chapter 2 **View Medtraining.org Urinalysis tutorial (located under Chemistry heading)	<u>Homework on Blackboard:</u> CSF, Peritoneal fluids, Synovial fluids case study questions and cell count 5 questions on blackboard	Continue body fluid assignment Start Physical exam of urine and dipsticks

Week #	Lecture topic	Read and review	Assignment dates due	Lab
	(recorded lectures to be reviewed on your own)			
Day 2	Renal Function Continue with urinalysis	Chapter 4 Review CACMLE urine sediment CD Urinalysis homework on blackboard Student generated case study	Body Fluid Math check Handout from lab Body fluid lab assignment Testing Center: Body fluid Quiz	continue body fluid assignment complete urinalysis
Day 3	Renal Function Continue with urinalysis	Chapter 4		continue body fluid assignment complete urinalysis
<u>Week 3</u> Day 1	Renal Disease Continue with urinalysis	Chapter 8 Urinalysis card assignment see rubric posted on Blackboard	Medtraining urinalysis test due	continue body fluid assignment complete urinalysis
Day 2	Urine Screening for Metabolic Disorders Continue with urinalysis	Chapter 9 Continue with urinalysis	Quick Check Questions over Urinalysis due	continue body fluid assignment complete urinalysis
Day 3	Continue with urinalysis	Continue with urinalysis	Quick Check Questions over Urinalysis due	continue body fluid assignment complete urinalysis
<u>Week 4</u> Day 1	Review and catch up	Continue with urinalysis	Student Generated Case study due	continue body fluid assignment complete urinalysis
Day 2	Review and catch up	Continue with urinalysis	Urinalysis Quiz open (tentative date)	continue body fluid assignment complete urinalysis

Week #	Lecture topic	Read and review	Assignment dates due	Lab
Day 3	Review and catch up	Continue with urinalysis	Urinalysis cards are due	continue body fluid assignment complete urinalysis
<u>Week 5</u> Day 1	Review and catch up	Case study presentation Lab Practice Practical		Body Fluid assignment due Practice Practical
Day 2/3		Lab Practical	Urinalysis homework on blackboard due Comprehensive final (tentative date)	Practical