

BIOL 3003: Intro to CLS

Instructor: John (JT) Ford MS, MLS (ASCP)

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Class times: TR 8:00 AM

Course Description

This course will serve as a primer for various topics related to the Medical Laboratory Sciences profession and prepare you for the didactic portion of a MLS program. Topics will include lab safety and management, lab math, clinical chemistry, hematology, blood banking, and clinical microbiology

Course Materials

I will be using the 9th edition of *Clinical Laboratory Science* by Mary Louise Turgeon as a starting point for the lectures in this course. I recommend that you get a copy for yourself but do not feel obligated to get a brand new 9th edition. A used 7th or 8th edition will do just fine. Powerpoints will be uploaded to d2l.

Grading Policies

Attendance is mandatory. Students are expected to show up prepared for class and ready to participate if called on.

Item	Percentage of Final Grade
Attendance	10%
Homeworks	25%
Quizzes	25%
Midterms & Final	40%

In this class, the following numerical equivalents for final grades are used: A = 100-90%; B = 89-80%; C = 79-70%; D = 69-60%; F = 59-0%.

Coursework

Several homework assignments will be given throughout the semester. Due dates will be determined when homework is assigned. There will be a short quiz every Tuesday starting 1/23. There will be 3 midterms and a final exam. All quizzes and exams will be exclusively multiple choice.

General Policies

- There is a lot to cover in this class, which means you will miss a lot if you miss class. It is in your best interest to show up on time and ready to learn.
- You are expected to attend class AND be present. Absences will be excused only for University events or illness (doctor's note required). Do not use this time to text, do homework from other classes, or surf social media.
- Academic dishonesty will not be tolerated. The **minimum** punishment is a zero on the assignment.
- In general, you are expected to abide by the code of conduct as outlined in the student handbook

Students with Disabilities

If you have a disability that requires an accommodation, please provide appropriate documentation and we can work on what is required to accommodate you in class. Please contact Disability Support Service in Room 168 of Clark Student Center (940) 397-4140 for other support, if needed.

Tentative Schedule

Week	Dates	Topic
1	Jan. 16/18	Intro/Ch 1
2	Jan. 23/25	Lab Safety (Ch 2)
3	Jan. 30/Feb. 1	Quality Assurance/Quality Control (Ch 3)
4	Feb. 6/8	Microscopy (Ch 4)/First Midterm
5	Feb. 13/15	Lab Basics and Lab Math (Ch 5&6)
6	Feb. 20/22	Ch 7/8
7	Feb. 27/29	Phlebotomy (Ch 9)/2nd Midterm
8	March 5/7	Hematology (Ch 10)
9	March 12/14	SPRING BREAK
10	March 19/21	Coagulation (Ch 11)/Urinalysis (Ch 12)
11	March 26/28	Body Fluids (Ch 13)/ 3rd Midterm
12	April 2/4	Clinical Chemistry (Ch 14)
13	April 9/11	Molecular, Immuno (Ch 15/17)
14	April 16/18	Medical Micro (Ch 16)
15	April 23/25	Blood bank (Ch 18)
16	April 30/May 1	Final Exam