

Chemistry 366 Syllabus

Spring 2023

Professor: Dr. Jim Lawrence

Office: CBB 410 Fourth floor, west side office hallway

Phone: 346-3699

Email: jim.lawrence@uwsp.edu

Office Hours: Monday 1:00-2:00, Wednesday 10:00-11:00, Friday 10:00-11:00

I will try as best I can to be in my office for these hours, however, sometimes things come up and I will be unavailable. However, you are free to come anytime to my office and chat. I enjoy these conversations, please do stop by anytime.

Times:

Lecture MWF 9:00-9:50 Room: CBB 261

Required Material:

Textbook Nelson and Cox: *Lehninger: Principles of Biochemistry*, (WH Freeman)
Available at text rental.

Calculator: A scientific calculator with scientific notation will be virtually indispensable for this course.

Course Description:

Chem 366/566. Biochemistry. 3 credits. Principles of carbohydrate, lipid and nitrogen metabolism, integration of metabolic pathways, cell signaling and modern biochemical techniques. May not earn credit in both Chem 366 and Biochem 366.

Prereq: Chem 365; accepted chemistry major/minor, biochemistry major, or consent of the Chemistry Chair.

Attendance:

Attendance may or may not be taken periodically and extended absences will be reported to the Dean of Students. Attendance, in itself, will have no direct effect on your grade, but it is almost guaranteed that you cannot perform adequately in the class if you do not attend lectures. You, the student needs to take an active role in your education. That is impossible to do unless you routinely attend all lecture and lab sessions. Students are responsible for all missed material. It is allowable and encouraged to get class notes from other classmates if you miss a lecture. For lecture, we are scheduled to meet in the DUC 370 which has a seating capacity of 28 students. We have more students than 28 enrolled in our class. There will be assigned days for each student to attend class in person. All classes will be recorded via either audio or video and available either live or recorded on Canvas. For lab session, we have capacity for each section in CBB 336. Therefore we will have in person labs while students are still on campus.

Class Notes

I will be making my class notes available to students. All notes, overheads and other material will be available on Canvas.

Academic Morality

Your career as a student is closely linked to your participation. Simply put, the more you put into your studies, the more you will get out of your education. This is as true for school as it is for life. However, in spite of this, some students feel the need to resort to cheating, plagiarism and other academic misconduct. I will do everything I possibly can to prevent this type of behavior. I reserve the right to assign seats, video tape and/or photograph test sessions. I am also likely to use multiple test versions to ensure academic honesty. There will be absolutely no cell phones, cameras or other electronic devices, except for calculators, allowed in any test sessions.

Below is the UWSP Academic Misconduct policy

UWSP 14.03 ACADEMIC MISCONDUCT SUBJECT TO DISCIPLINARY ACTION.

Academic misconduct is an act in which a student:

1. Seeks to claim credit for the work or efforts of another without authorization or citation;
 2. Uses unauthorized materials or fabricated data in any academic exercise;
 3. Forges or falsifies academic documents or records;
 4. Intentionally impedes or damages the academic work of others;
 5. Engages in conduct aimed at making false representation of a student's academic performance; or
 6. Assists other students in any of these acts.
- Examples of academic misconduct include, but are not limited to: cheating on an examination; collaborating with others in work to be presented, contrary to the stated rules of the course; submitting a paper or assignment as one's own work when a part or all of the paper or assignment is the work of another; submitting a paper or assignment that contains ideas or research of others without appropriately identifying the sources of those ideas; stealing examinations or course materials; submitting, if contrary to the rules of a course, work previously presented in another course; tampering with the laboratory experiment or computer program of another student; knowingly and intentionally assisting another student in any of the above, including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.

The penalty for any academic misconduct is an F for the course grade.

Lecture schedule

Week	Material Covered		
	Monday	Wednesday	Friday
January 23	Chapter 12	Chapter 12	Chapter 12
January 30	Chapter 12	Chapter 13	Chapter 13
February 6	Chapter 14	Chapter 14	Chapter 14
February 13	Chapter 15	Exam # 1	Case Study
February 20	Chapter 15	Chapter 15	Chapter 16
February 27	Chapter 16	Chapter 17	Chapter 17 & 18
March 6	Chapter 18	Chapter 19	Chapter 19
March 13	Chapter 19	Exam # 2	Chapter 20
March 20	☺ Spring Break	Spring Break	Spring Break ☺
March 27	Chapter 20	Chapter 20	Case Study
April 3	Chapter 21	Chapter 21	Chapter 21
April 10	Chapter 21	Chapter 22	Chapter 22
April 17	Exam # 3	Chapter 23	Chapter 23
April 24	Chapter 23	Chapter 23	Chapter 27
May 1	Chapter 27	Chapter 27	Chapter 27
May 8	Journal Reading	Journal Reading	Journal Reading

- Final Exam = May 15th, 8:00 – 10:00 AM CBB 261

We will cover a large amount of material in this class. As a result we will have to work quickly. The actual pace of the lectures may deviate from this schedule depending on several factors. It is my goal to move quickly, yet at a pace that allows everyone to grasp the material and not be constantly overwhelmed. I may have to slow down at some points throughout the semester to more thoroughly cover some material. In the event that we have to slow down, we may not cover all of the chapters and topics listed in the schedule. Be ready for us to not exactly match this schedule.

Some other important dates:

February 1 st	Last day to drop a course without a W grade reported.
April 7 th	Last day to drop a course

Grading Opportunities

- Exams = 150 Points each (150 X 3)
- Final = 150 Points
- Case Studies = 15 Points each (15 X 2)
 - 630 points total

I will not be grading on a curve. Grades will be given according to actual points earned divided by total possible points awarded on exams and labs.

I reserve the right to lower the percentages required to achieve each grade if class performance dictates such a correction. I will not raise the percentages under any circumstance. In no case will the adjustment result in requiring more than the below point totals for any grade. It is **EXTREMELY** unlikely that there will be any extra credit, individual or group, awarded in this class.

A = 90% or greater **A⁻** = 80-89%
B⁺ = 70-79% **B** = 60-69% **B⁻** = 55-59%
C⁺ = 50-54% **C** = 47-49% **C⁻** = 43-46%
D⁺ = 40-42% **D** = 38-39%
F = Below 38%

Simple, Effective Ways to Increase Your Satisfaction and Success Throughout Your Academic Career.

1. Be comfortable socially with campus life.

- a. Do become active with the social aspects of UWSP
 - i. Live on campus, at least for a while
 - ii. Join a sports team, intramural team, organization or group on campus
 - iii. Make friends and spend time with them
 - iv. Form study groups
- b. People who don't get comfortable with their social surroundings seldom excel academically.

2. Show up for class every time

- a. This sounds easy, but, for most students, it is the most often broken rule to success. This is your life. You need to show up.
- b. There is no substitute for being present at lectures, labs or discussion sections.
- c. You can't succeed anywhere in life if you choose not to show up. You might as well get used to it now and start forming good work habits.

3. Read the textbook BEFORE lecture

- a. You can read the textbook the night before the exam, but it's going to largely waste your time
- b. If you read the text before the lecture instead of after, you will have a much deeper and clearer understanding of the material. Also, it won't sound like I am simply blithering on and on. You'll actually GET what I'm saying right away instead of having to somehow sort it all out later by yourself
- c. Take notes on the text as you read. Note any material that is unclear to you and ask questions in class or come see me directly about it.

4. Talk to your professors

- a. Professors are not scary people. I am here to help you learn and will do just about anything to help you succeed.
- b. It is a fact that students who come to talk with their professors throughout the semester routinely outperform other students.

5. Do the work routinely

- a. The exams will be very similar to the homework problems. If you regularly read and do homework assignments, you are very likely to find yourself performing well on exams.
 - i. Athletes, musicians, etc. don't just show up for a performance and expect to excel. That would be ridiculous. Instead they prepare daily, sometimes for months, just to be ready for the opportunity to perform once.
 - ii. If you train as a student like an athlete or musician does, working a bit every day, you will enable yourself to perform at the highest possible level on exam day.