



# CHM4413L: Biophysical Laboratory

for UF Chemistry Majors

Sections 07D1 (M), 1222 (T), 126G (W), 126H (R)

Fall 2017 (August 21 – December 6)

(2 Credit Hours)

**Course Website:** <https://ufl.instructure.com/courses/342776>

**Course Materials and “Manual”:** All course materials will be available through our secure course website, listed above, which is a Canvas LMS site hosted by Instructure. There is no printed textbook or lab manual, but feel free to print whatever you want from our website if that is your method.

**Instructors: Gail Fanucci, Adam Mansell**

Contact info: Your instructors and TAs are to be contacted through the Canvas Messaging tool. You can also reach Prof. Fanucci at [gefanucci@gmail.com](mailto:gefanucci@gmail.com). In extreme emergency situations you may also text Dr. Fanucci at 352-219-5201. Please respect usage of this number.

Office Hours: Fanucci Tuesday 4th period CLB311F  
Mansell Wednesday 4th period LEI 232

Please email us if you cannot make these times. When requesting a time, please propose three options that work for your schedule.

**Teaching Assistants (Contact through Canvas Messaging)**

Yunlu Hu (126H) Yue Hu (1222)  
Aravinda Munasinghe (07D1) Lakshita Perera (126G)

**Weekly “Lectures”**

We all meet together Thursday period 4 in LEI 207 for background information, discussion of the lab activities, and expectations for assignments. Attendance is EXPECTED. A great deal of information is given in class regarding the laboratory reports and expectations.

**Lab Sessions**

Each section is assigned a specific afternoon meeting time, usually occurring in LEI248. Some data analysis and database activities will be held in a more traditional classroom. Locations will be posted in announcements so please set up your Canvas account to automatically notify you of announcements. Please be prepared for all lab sessions. Contact your instructors at least one week in advance if any potential absences are anticipated.

**Lab Safety**

You are expected to have and use all proper safety equipment and procedures when in the laboratory. This includes, but is not limited to, eye protection and appropriate clothing/skin covering and shoes. We may also be using optical and IR lasers which require specific radiation safety procedures. For more information about lab safety see the course website and consult your lab instructor.

## FALL SEMESTER 2017

	S	M	T	W	T	F	S
Aug.	13	14	15	16	17	18	19
						Registration	
	20	21	22	23	24	25	26
				Drop/Add			
	27	28	29	30	31		
Sept.						1	2
		Holiday					
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
Oct.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
						Homecoming (tent.)	
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
Nov.				1	2	3	4
	5	6	7	8	9	10	11
						Holiday	
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
						Holiday	
	26	27	28	29	30		
Dec.						1	2
						Reading Days	
	3	4	5	6	7	8	9
							Commencement
	10	11	12	13	14	15	16
		Grades Due	Deg Cert.				
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						

IDENTIFICATION SYMBOL:

Classes [ ] Exams [ ]

## Ethics

We expect deportment and conduct appropriate of research professionals of students in this course. This includes the complete understanding of academic integrity, plagiarism, and data fabrication.

## Groups

Each lab section will be divided into **four groups of (nominally) three-four people**. You will work together as a team in lab, but pre-lab quizzes and some assignments will be submitted individually. Midway through the semester you will have the opportunity to request replacement into a different group. Your first team membership will be assigned by the faculty. If there are troubles within your group dynamic, these can be reported and teams can be regrouped for the second half of the semester. Please pay attention to all assignment designations and Groupings on the Canvas LMS site hosted by Instructure

## Lab Notebook and Data Plotting

Every good Chemist has a lab notebook by their side. It is a journal, evidence of discovery, a historical record, and a valuable tool. You will keep a proper lab notebook in this course. Your notebook will be graded and checked upon leaving each lab period. You should come to lab prepared with all tables and notes within the lab notebook. TAs will check your notebook at the beginning of the laboratory period to ensure you have come prepared. Even when working in a group each student should have complete data notes within their own lab notebook. You also should have at least one person in your group come with a laptop that has sufficient software to plot data before you leave the laboratory session. It is your responsibility to repeat data measurements in cases where things have gone awry. Many assignments are to show your pre-processed data or preliminary graphs BEFORE leaving the laboratory period. Your notebook itself (organization, completeness, etc.) will be assessed every lab session as "acceptable" (100%), "unacceptable" (50%), or "missing" grade (0%). This assessment will be averaged for the term to yield your **Notebook** grade (see below). One unacceptable (but not "missing") grade will be dropped from the term's Notebook grade calculation (if it exists).

## Course Grade Computation

Your course letter grade will be derived from activities that are graded as outlined on the Canvas website:

Your course grade will be determined from your total course performance percentage as follows:

88%	A
83%	A-
78%	B+
73%	B
68%	B-
63%	C+
58%	C
55%	C-
50%	D+
45%	D-
< 40%	E

If the grading scheme changes, it will only change to be more lenient.

All grades will be posted in the Canvas GradeBook, as available.

UF's Grading Policy: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.asp>

## Absences

Excused absences are allowed in accordance with [UF policy](#). Consult with your instructor at least one week in advance of their occurrence.

## Getting Help

For quickest response, you might find posting questions to the Canvas Discussion Board might be a good choice. Messaging the Instructor, TA, or even a classmate from within Canvas also works.

For Username/Password issues, such as difficulties logging into any Gatorlink-authenticated site at UF, (including our Canvas), please contact the UF Help Desk at: [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu) (352) 392-HELP - select option 2

### **University Policy on Accommodating Students with Disabilities**

Students requesting accommodation for disabilities must first register with the Dean of Students Office (<https://www.dso.ufl.edu/drc>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

### **University Policy on Academic Misconduct**

Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>

*We, the members of the University of Florida Community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity*