

CHM2050 — Honors General Chemistry I — Fall 2020

Credits: 3; Prereq: MAC1147 or the equivalent and either a passing score on the ALEKS placement exam or a passing grade in CHM1025; Coreq: CHM2045L.

This course is the first semester of the General Chemistry 1 and 2 sequence (CHM2045/L and CHM2046/L or equivalents) and covers stoichiometry, atomic and molecular structure, the states of matter, reaction rates and equilibria. The course is designed with the needs of Chemistry and Biochemistry majors in mind and will go more in depth into topics they will need in higher level chemistry courses. A minimum grade of 'C' is required to pass the course and progress to CHM2046. A minimum grade of 'B+' is required to progress to CHM2051 (Honors General Chemistry II).

Instructor	Dr. Alexander Angerhofer (Dr. A)
Phone	392 9489 (office, CLB318A), or 392 0541 (office, LEI214A)
E-mail	alex@chem.ufl.edu
O.H.	On zoom* during M-10, W-5, R-7 periods, and by appointment.

Grad. TA	Camden Camacho, camden.camacho@ufl.edu , OH: T-9, W-11, and F-4 on zoom.*
Undergrad. TAs	Amanda Brust, abrust@ufl.edu , OH: M-8, and W-9 on zoom.*
	Laura Burnsed, lauraburnsed@ufl.edu , OH: T-5, and R-8 on zoom.*
	Jacob Fersch, jfersch@ufl.edu , OH: W-7, and F-6 on zoom.*
	Rachel Horvat, rachelhorvat@ufl.edu , OH: W-8, and R-9 on zoom.*
	Emma Mastro, emmamastro@ufl.edu , OH: M-4, and W-6 on zoom.*
	Reagan McGinley, rmcginley@ufl.edu , OH: M-9, and F-8 on zoom.*
	Madison Petitpas, madisonpetitpas@ufl.edu , OH: M-5, and F-7 on zoom.*
	Youssef Sadek, ysadek@ufl.edu , OH: T-8, and R-5 on zoom.*
	Olivia Shaw, olivia.shaw@ufl.edu , OH: M-6, and T-7 on zoom.*
	Noah Towbin, noahtowbin@ufl.edu , OH: W-10, and R-4 on zoom.*
	Angelica Tracey, atracey@ufl.edu , OH: M-7, and F-5 on zoom.*
	Sophia Velasco, sophia.velasco@ufl.edu , OH: T-4, and R-10 on zoom.*
	Breanna Yost, yostbreanna@ufl.edu , OH: T-6, and R-6 on zoom.*

*All office hours will take place at: <https://ufl.zoom.us/j/96320318806?pwd=MnF5T0ZCanVjNzU2ZDdYNE1yMHIWUT09>. The passcode is 953825.

Class Meeting Times	TR2-3 periods, 8:35am-10:20am, https://ufl.zoom.us/j/3164895856												
Holidays	09/07 (Labor Day), 11/11 (Veterans Day), 11/25 - 27 (Thanksgiving holidays), 12/10 - 11 (reading days).												
Class Text	'Chemistry: Atoms First' 2e by OpenStax. The text is recommended and will be used by the instructor for lectures and practice problems (see course schedule below). It is freely available here: https://openstax.org/details/books/chemistry-atoms-first-2e .												
Homework	Homework will be assigned weekly except during weeks of during-term exams., Homework will be graded.												
Points Earnable	3 progress exams @ 20% each, for 60% total. 1 cumulative final exam @ 20%. 10 homeworks @ 1% each, for 10% total. Daily in-class participation grade (learning catalytics) @ 5% total. Team projects @ 3% total. 1 ALEKS prep, due online Sept. 18 @ 2% total. Total earnable points are 100%.												
Grading Scheme ¹	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">A: ≥ 90.0%</td> <td style="width: 50%;">90.0% > A- ≥ 86.0%</td> </tr> <tr> <td>86.0% > B+ ≥ 83.0%</td> <td>83.0% > B ≥ 80.0%</td> </tr> <tr> <td>80.0% > B- ≥ 77.0%</td> <td>77.0% > C+ ≥ 73.0%</td> </tr> <tr> <td>73.0% > C ≥ 69.0%</td> <td>69.0% > D+ ≥ 66.0%</td> </tr> <tr> <td>66.0% > D ≥ 63.0%</td> <td>63.0% > D- ≥ 60.0%</td> </tr> <tr> <td>60.0% > E.</td> <td></td> </tr> </table>	A: ≥ 90.0%	90.0% > A- ≥ 86.0%	86.0% > B+ ≥ 83.0%	83.0% > B ≥ 80.0%	80.0% > B- ≥ 77.0%	77.0% > C+ ≥ 73.0%	73.0% > C ≥ 69.0%	69.0% > D+ ≥ 66.0%	66.0% > D ≥ 63.0%	63.0% > D- ≥ 60.0%	60.0% > E.	
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¹ see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx> for more info on UF grade policies.

Course Schedule (tentative):

Date	Day	Chap.	Topic	Reading
09/01/20	T	1	Discussion of Syllabus and review of chap. 1, Phases, Matter, Physical and Chemical Properties, Measurement Units, Unit Conversion, Greek Prefixes, Significant Figures.	Chap. 1
09/03/20	R	2	Review of chap. 2, Historic Evolution of Atomic Theory, Atomic Structure, Symbols, Chemical Formulae.	Chap. 2
09/08/20	T	3	Fundamental Forces and Energy, Waves, Blackbody Radiation, Photoelectric Effect, Atomic Line Spectra, The Bohr Atomic Model.	Chap. 3.1 – 3.2
09/10/20	R	3	Quantum Mechanics, Electrons in Atoms, Atomic Orbitals, and Electron Spin	Chap. 3.3
09/15/20	T	3	Pauli Exclusion Principle, Electronic Structure of Atoms, Electron Configuration, Aufbau Principle, Quantum Numbers.	Chap. 3.4
09/17/20	R	3	The Periodic Chart, Periodic Trends in Element Properties, Molecular and Ionic Compounds.	Chap. 3.5 – 3.7
09/22/20	T	1 – 3	Jeopardy #1 (exam preparation)	
09/22/20	T	1 – 3	Exam #1 covering ALEKS prep and chapters 1 through 3	
09/24/20	R	4	Electronegativity, Ionic Bonding, Covalent Bonding, Nomenclature, Lewis Structures	Chap. 4.1 – 4.4
09/29/20	T	4	Lewis Structures, Formal Charges, Resonance, Molecular Structure and Polarity, VSEPR Theory	Chap. 4.4 – 4.6
10/01/20	R	4/5	VSEPR Theory, Valence Bond Theory.	Chap. 4.6 – 5.1
10/06/20	T	5	Valence Bond Theory, Hybrid Atomic Orbitals.	Chap. 5.2
10/08/20	R	5	Valence Bond Theory, Inorganic Molecules, MO Theory	Chap. 5.2 – 5.3
10/13/20	T	5	MO Theory, Diatomics, Bond Order	Chap. 5.4
10/15/20	R	6	Review of formula mass, empirical/molecular formulae, and molarity, other concentration measures	Chap. 6.1 – 6.4
10/20/20	T	7	Classification of Chemical Rxns, Acid/Base, Precip., Redox	Chap. 7.1 – 7.2
10/22/20	R	7	Stoichiometry, Reaction Yields, Quantitative Chemical Analysis.	Chap. 7.3 – 7.5
10/27/20	T	8	Gases, Pressure, Volume, Amount, Temp., Ideal Gas Law.	Chap. 8.1 – 8.2
10/29/20	R	8	Stoichiometry of Gases, Mixtures, Rxns, Molecular Kinetic Gas Theory	Chap. 8.3, 8.5
11/03/20	T	4 – 8	Jeopardy #2 (exam preparation)	
11/03/20	T	4 – 8	Exam #2 covering chapters 4 through 8.	
11/05/20	R	9	Thermochemistry Basics, Calorimetry.	Chap. 9.1 – 9.2
11/10/20	T	9	Enthalpy, Bond Strengths of Ionic and Covalent Bonds.	Chap. 9.3 – 9.4
11/12/20	R	10	Intermolecular Forces, Properties of Liquids, Phase Transitions.	Chap. 10.1 – 10.3
11/17/20	T	10	Phase Diagrams, Solid State, Crystalline Solids, Lattice Structure.	Chap. 10.4 – 10.6
11/19/20	R	11	Dissolution Process, Electrolytes, Solubility.	Chap. 11.1 – 11.3
11/24/20	T	11	Colligative Properties and Colloids.	Chap. 11.4 – 11.5
12/01/20	T	17	Chemical Rxn Rates, Factors Affecting Rates.	Chap. 17.1 – 17.2
12/03/20	R	17	Rate Laws, Differential and Integral Rate Laws.	Chap. 17.3 – 17.4
12/08/20	T	9–11,17	Jeopardy #3 (exam preparation)	
12/08/20	T	9–11,17	Exam #3 covering chapters 9 through 11 and 17.	
12/15/20	M		Cumulative Final Exam 7:30am – 9:30am.	

Office Hour and Class Schedule for CHM2050:

FALL 2020				SCHEDULE CARD							
UNIVERSITY OF FLORIDA				UNIVERSITY OF FLORIDA							
				NAME: Lecture Times and Office Hours, CHM2050							
				Univ. Address:							
				Univ. Phone:							
Per.	Hour	Monday	Bldg/Rm #	Tuesday	Bldg/Rm #	Wednesday	Bldg/Rm #	Thursday	Bldg/Rm #	Friday	Bldg/Rm #
1	7:25-8:15										
2	8:30-9:20			CHM2050	zoom			CHM2050	zoom		
3	9:35-10:25			CHM2050	zoom			CHM2050	zoom		
4	10:40-11:30	Emma	zoom	Sophia	zoom			Noah	zoom	Camden	zoom
5	11:45-12:35 p	Madison	zoom	Laura	zoom	Dr. A	zoom	Youssef	zoom	Angelica	zoom
6	12:50-1:40	Olivia	zoom	Breanna	zoom	Emma	zoom	Breanna	zoom	Jacob	zoom
7	1:55-2:45	Angelica	zoom	Olivia	zoom	Jacob	zoom	Dr. A	zoom	Madison	zoom
8	3:00-3:50	Amanda	zoom	Youssef	zoom	Rachel	zoom	Laura	zoom	Reagan	zoom
9	4:05-4:55	Reagan	zoom	Camden	zoom	Amanda	zoom	Rachel	zoom		
10	5:10-6:00	Dr. A	zoom			Noah	zoom	Sophia	zoom		
11	6:15-7:05					Camden	zoom				
E-1	7:20-8:10										
E-2	8:20-9:10										
E-3	9:20-10:10										
Comments: Zoom room for Lecture: https://ufl.zoom.us/j/96320318806?pwd=eW5DNUR2bnVKemZyWStmT08xTG9wdz09 Zoom room for office hours: https://ufl.zoom.us/j/96320318806?pwd=MnF5T0ZCanVjNzU2ZDdYNE1yMHlWUT09											

Further Important Information:

1. **Overview and Goals:** CHM2050 is the first in a double course series introducing the student to General Chemistry. The course is designed for chemistry and biochemistry majors and will emphasize topics that will benefit the students in higher level chemistry coursework. The goals of the course are to give an overview of basic chemistry, specifically atomic and molecular structure, stoichiometry, overview of chemical reactions, liquids and gases, thermochemistry, chemical kinetics, intermolecular forces, and colligative properties.
2. **Class Meeting Times:** The class meets on zoom during TR2-3 periods. This course does not have a recitation session. Given that we have two double-period blocks per week the 15 minute break will be handled as follows: Class will start 5 minutes later than the start time of period 2, *i.e.*, 8:35am. We will dismiss class 5 minutes earlier as well, *i.e.*, 10:20am. In addition, there will be a 5 minute break in between which will be taken whenever the flow of the lecture/class activities allows. Please be on time for class to start at 8:35am!
3. **Majors Only:** The two sections of this course 1458 (class #27102) and 146E (class #27103), are primarily for Chemistry and Biochemistry majors. This allows for a smaller classroom environment more conducive to an interactive teaching style. It also allows for Chemistry/Biochemistry students to get to know each other sooner. While we cover the same topics as the main CHM2045 sections there are a few important differences to note: We will focus on topics that are important to Chemistry/Biochemistry majors. That means that electronic atomic structure will be discussed to a larger extent and Lewis structures will be learned from day one. Less time will be spent on drills and more on modern applications of chemistry. We do not have a recitation session. However, example problems will be provided and solved in class. Homework sets will contain long-response problems that focus on understanding the material and students are encouraged to form study groups to work together on these problem sets. No worksheets are used in our sections but relevant problems from the openstax textbook will be pointed out for voluntary self-study. Our class will use the 'Learning Catalytics' app for in-class participation. Please do not purchase the tophat app which may be used in other General Chemistry courses unless you need it for some other course of yours. This course will have evening exam times. Exams are administered through 'HonorLock.' The exams differ from those encountered in CHM2045. We will not use multiple choice exams. Your exams will come exclusively from your instructor and deal with material covered in class including the assigned textbook reading, homework sets, practice problems, *etc.*
4. **General Chemistry Learning Objectives:** The course will provide instruction in the basic concepts, theories, and fundamental terms of chemistry. At the very core of chemistry is the concept of the atom, its structure, and bonding interactions with other atoms. Understanding the atom provides a conceptual foundation for the many aspects of 'macroscopic' chemistry. The focus of this course is understanding rather than memorization. Major scientific developments will be reviewed and their impacts on society, science, and the environment examined. Focus will be placed on the relevant processes that govern biological and physical systems. With what they learn students will be able to: (1) formulate empirically testable hypotheses relevant to the study of physical and life processes, (2) use logical reasoning skills through scientific criticism and argument, and (3) apply techniques of discovery and critical thinking to predict and evaluate outcomes of experiments.

Upon successful completion of CHM2050 each student will:

- have a working knowledge of the basic concepts, theories, and fundamental terms of Chemistry that are outlined under 1), and understand the relevant processes that govern chemical systems;
- grasp the major scientific developments that have led to the current state-of-the-art in the field;
- be able to assess impacts Chemistry has on society, science, and the environment;
- be familiar with and capable of using the scientific method when discussing scientific facts as they relate to Chemistry;
- know how to formulate empirically testable hypotheses derived from the study of physical and chemical processes;
- use logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to predict and evaluate outcomes of experiments;
- To achieve these objectives students are required to participate in all class activities, specifically:
 - Regular attendance of lectures in which the course material will be discussed and demonstrated is essential for success in the course. Lecture attendance requires active participation on the students' part. Large sections of class time will be spent in scientific dialog between teacher and students where we will practice the art of scientific reasoning.
 - Small group discussions are held during most lecture periods in which students will discuss and apply the concepts learned in class under the guidance of a teaching assistant. The discussion sessions focus on problem solving and further explore difficult concepts that need additional explanation beyond the lectures. Students are expected to participate actively. This will not only give students helpful feedback on their own work but also train their logical reasoning skills through scientific criticism and argument.
 - Weekly graded homework assignments involve conceptual and numerical problems that require the student to apply the learned concepts to specific examples. Problems are taken from different

areas of experimental and theoretical chemistry including physical and life processes.

Homework problems may also include reading material, typically a topically related original research article requiring the student to summarize and comment on in their own words.

- Three mid-term exams will be administered throughout the semester. Due to time constraints exam questions can not be as detailed and time-intensive as the homework problems. Emphasis is placed on testing the students' reasoning skills and their understanding of the material rather than rote memorization of facts. On their exams, students will receive all pertinent equations.
 - Participation points are available to students throughout the semester and can be earned during the lecture periods by answering 'learning catalytics' questions (for more information see below item #13).
 - Approximately 30 weekly office hours are offered by instructor and TAs, conveniently spread out over the whole week. Students are strongly encouraged to seek help and feedback on all concepts and problems encountered in class. While office hour attendance is completely voluntary, it is an important activity that will help solidify students' understanding of the material and make them successful in the course.
5. **Math Requirements:** Students are expected to have a solid grasp of pre-calculus algebra and trigonometry and need to have college credit for MAC1147. Ideally, they should be co-registered for MAC2311 (Calculus 1). During lectures, concepts from Calculus may be briefly discussed but will not appear on exams. When derivatives or integrals are mentioned the focus is primarily on their graphical interpretation to aid understanding of chemical or physical concepts. When homework problems require their use, feel free to employ computational solvers such as Wolfram Alpha: <http://www.wolframalpha.com/>.
6. **Scientific Graphing:** Scientists communicate concepts and data (experimental and theoretical) using graphs. An important goal of the course is therefore for students to learn to interpret and generate scientific graphs effortlessly. Interpretation of relevant graphs will be an important part of homework and exam questions.
7. **ALEKS Prep:** Two percent of the course grade will be based on the ALEKS prep work (due Monday, Sept. 18). For more info please see <https://www.chem.ufl.edu/undergraduate/aleks/>.

% ALEKS completion	0 – 69%	70 – 79%	80 – 89%	90 – 98%	99 – 100%
%-grade earned	0%	0.5%	1.0%	1.5%	2.0%

8. **Exam Policies:** University examination and reading day policies can be found at:

<https://catalog.ufl.edu/UGRD/academic-regulations/examination-policies-reading-days/>.

Exams will be taken in the evenings outside of class and administered through HonorLock. The exams in this course are open-note and open-book. However, you are not to use the internet while taking the exam other than to login to the course canvas site to download your exam materials and upload your scanned exam materials.

Exam Absences: will be handled in accordance with official UF academic regulations. For more information, see <https://catalog.ufl.edu/UGRD/academic-regulations/>. See below for further clarification for two different types of situations.

(1) Conflicts with other events: Acceptable reasons to miss a scheduled exam include conflicting evening exams in courses with higher course numbers, religious holidays, military obligations, special curricular requirements (*e.g.*, attending professional conferences), or participation in official UF-sanctioned activities such as athletic competitions, *etc.* For more information on such absences see the official UF Policy at <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/#absencestext>. If you must be absent for an exam due to a documented and approved conflict known in advance, you must e-mail your instructor (alex@chem.ufl.edu) the documentation at least *one week prior* to the scheduled exam and an early conflict exam will be scheduled for you.

(2) Missing an exam due to an emergency or sudden illness: If you are absent for an exam due to an unpredicted documented medical reason or family emergency, you must contact the instructor as soon as possible, and you may be asked to have your excuse verified by the Dean of Students Office (DSO). Your instructor will follow UF academic regulations in evaluating the notification and/or documentation received by you or by the DSO on your behalf. Once your instructor is satisfied with the validity of your exam absence a make-up exam will be scheduled after a reasonable amount of time, *i.e.*, before the end of the semester. If your documentation is deemed insufficient to excuse your absence you will receive a zero on the missed exam.

Exam Grade Disputes: Any and all exam grade disputes must be dealt with within two weeks of the scheduled exam date.

9. **Drop-Back to CHM1025:** Students in CHM2045 and CHM2050 have the option to 'drop back' to CHM1025 if they find out after drop/add has ended that they are not doing well in CHM2050 and need a slower paced introduction to general chemistry. The deadline for exercising this option is September 30, 2020, by 5:00pm. Our first during term exam (DTE) takes place on the evening of September 22, 2020, and grades will be available by September 24. If you find that you are not doing well in CHM2050 and wish to drop back to CHM1025, contact advising@chem.ufl.edu. If

you exercise this option you do not have to drop the CHM2045L lab. Please note that CHM1025 has one less credit than CHM2050, so the total number of credits on the fall schedule will be reduced by one credit hour. Please discuss this with your instructor and with academic advising if you have any questions.

10. **Canvas:** Access your Canvas e-learning account by clicking on the 'Log-In to E-Learning' link on the web site, <https://elearning.ufl.edu/>, where you will have to supply your Gatorlink credentials to log in. Please, do this at your earliest convenience and make yourself familiar. Canvas will be primarily used by TAs and the instructor to communicate with the class. Please make sure to monitor the announcements on a regular basis. There may occasionally be assignments on Canvas that need to be completed before class. If you experience technical problems when using Canvas, please contact the UFIT helpdesk (<http://helpdesk.ufl.edu/>, 352-392-4357 M-F from 8:00am till 5:00pm, email helpdesk@ufl.edu).
11. **Homework (HW):** Ten HW assignments will be given over the course of the semester. They will normally be published on Canvas by Thursday afternoon and are due on Friday morning of the following week by 8:00am, submitted on canvas. Late HW policy: HW is late if it is not delivered by the deadline. Each day late will incur a 20% deduction of the total points value. Do your HW! By doing HW problems you will collect essential points toward your course grade and will be better prepared to deal with problems on exams. HW problems come from many different sources, including the instructor's own personal list of problems. Since these will be the hardest problems you will encounter in CHM2050, you may form study groups with other students to work on them. However, simply copying someone else's work is plagiarism and will be treated as such! You need to understand how to solve these problems. One way to test your understanding is to explain a problem to someone else.
12. **Participation Grade:** Participation points (up to 5% of your total grade) will be earned through active participation in class with 'learning catalytics.' This is primarily done by using the app on your digital device (smartphone, tablet, notebook PC, *etc.*) to respond to questions asked by the instructor throughout the lectures (see further explanation below under #13).
13. **LearningCatalytics (LC):** In this course, we will use LC for your digital device to respond to the instructor's questions and earn valuable points toward your grade. You will need to purchase access and create a student account on <https://learningcatalytics.com/>. Follow instructions on that web site, or in the registration document on your Canvas account (click on Files → LC → Get_Started-
_Flyer_Learning_Catalytics.pdf) to activate your account and link it to our course, CHM2050. When registering make sure to use your full first and last name with correct spelling including capitalization. This is important to correctly link your LC gradebook entry to your course grades on Canvas. Do not register twice! If you have trouble logging in, get in touch with Pearson's help desk online at <https://support.pearson.com/getsupport/s/contactsupport>. The cost for LC is \$12 for the semester. You are required to bring at least one wifi-enabled digital device to class to use for this activity.
14. **Team Projects:** The students in the class will be divided into six teams, and each team will participate in three "Jeopardy" games. For any one of these games, two teams will be responsible for coming up with the questions while the other four teams compete. The members of each team will receive points for their participation in these games for 3% of the final grade at full participation. Participation as a contestant will earn a student 1% for each of two Jeopardy games they are contesting in for a total of 2%. The remaining 1% is earned by helping your team create questions for one of the "Jeopardy" games. These games will typically happen during the second half of class on the day of an exam. They will be a valuable tool for your exam preparation. Each team can work with their TAs who will assist with the logistics of the games.
15. **Video Modules:** will be made available throughout the semester through links posted on Canvas. These modules are designed to aid in the explanation of concepts and will be used for instruction in addition to classroom lectures. They should be watched before a topic is covered and questions on these topics will be asked in class through learning catalytics.
16. **Computer Requirements:** All students need to comply with UF and college (CLAS) information technology requirements which can be found here: <https://it.ufl.edu/policies/student-computing-requirements/> and here: <https://it.clas.ufl.edu/policies/student-computer-requirement/>. Due to the fact that this course is being taught online this semester UF Online computer requirements apply as well: <https://ufonline.ufl.edu/resources/computer-requirements/>. It is particularly important that you have access to reliable wifi at your home and that your computer is equipped with a web-camera, a microphone, and speakers.
17. **Calculators:** You must have your own scientific calculator. Calculators may be used on homework and exams but may not be shared. You may **not** use graphing calculators or any calculators that are capable of communication on any exam. Simple inexpensive scientific calculators such as the TI-30 series or the Casio fx-260 are acceptable and sufficient for any problem encountered on exams.
18. **Class Attendance:** Regular attendance is essential for your success in this class. However, we will not do roll-calls. Repeated absence in class will make it very difficult to earn full participation points. For further information on UF's attendance policies which are in effect for this course, see: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx> .

19. **Study Habits:** The course demands on average 10 – 12 hours/week of work outside of class. The class will not be taught 'by the book.' It is expected that you read the assigned pages from the textbook (or corresponding chapters in comparable textbooks) and watch assigned video modules in advance before coming to class. The instructor will build on this material and you are expected to be able to follow in-class discussion. The course demands a regular sustained effort throughout the semester. Most importantly, **do not allow yourself to fall behind!** The material builds up and you need to stay ahead of the game. If you find that you are not grasping essential material by reading the textbook and following in-class discussion, **seek help!** Visit your instructor's and/or TA's office hours, talk to other students in your class, compare notes, form a study group, consult other text books, *etc.*
20. **Study Groups:** It is highly encouraged to form study groups and meet with them on a weekly basis to discuss course material and to prepare for exams. In this course it is permissible that you work on HW assignments together with your study partners. However, you are responsible to fully understand your own worked-out HW submissions and may not just copy someone else's.
21. **Office Hours:** The instructor, one graduate TA, and 13 undergraduate student TAs offer a total of 32 office hours spread over the whole week. The detailed times and locations are listed on the first page of this syllabus and the table on the third page. This is time we set aside for you. Take advantage of it. Please note that the instructor and all TAs are available to help students in any of the two sections. You are not limited to only the TAs assigned to your team. The zoom link to office hours is: <https://ufl.zoom.us/j/96320318806?pwd=MnF5T0ZCanVjNzU2ZDdYNE1yMHIWUT09> with the following passcode: 953825.
22. **Zoom Etiquette:**
 - Be on time. The meeting may be locked by the instructor after class has started.
 - After joining the meeting turn on the Participants box and the Chat box (at the bottom of your zoom window). The Participants box allows you to see who is present in the zoom room and allows you to change your screen name. It also allows you to 'raise hand' if you wish to participate. The Chat box allows you to communicate with other participants as a group or individually. You can type questions or provide answers in the chat box. The TAs will monitor both the participants list for raised hands and the chat box for questions.
 - Use your real name as your screen name. If necessary, rename yourself, by going to Participants → hover mouse over your name (always at the top) → More → Rename.
 - Mute your microphone if you aren't talking to avoid acoustic feedback or background noise. Turn your microphone on after having been given the permission to do so to ask questions or provide input to the class topic. When first joining your microphone will always be muted.
 - Turn video on or off depending on the situation. In the large zoom room during lecture it might be best to turn your video off in order not to distract fellow students. When working with your team in a break-out room, turn your video on so that people have a chance to see and get to know each other.
 - When participating in class stay focused on the topic of the lesson. This applies to both spoken audible participation, shared screens, and to chat messages. Screen sharing will generally be turned off but may be available by invitation from the instructor.
 - Breakout rooms will be used for team activities and will be hosted by the TAs. When invited to a breakout room follow the link in the pop-up window.
 - The instructor or TAs may use the polling feature. When asked to participate in a poll, please do so and follow directions.
23. **Zoom Privacy:** Our class sessions are not audio-visually recorded. If there is a change in policy students will be notified.
24. **Group-Me Groups:** Team TAs will generate group-me's for their teams. Larger group-me's for the whole class are also encouraged to enable communication amongst students.
25. **Online Course Evaluation:** Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.
26. **Students with Disabilities:** Students with disabilities requesting accommodation should first register with the Disability Resource Center (352-392-8565, <http://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. The student is responsible for scheduling the exam dates with the DRC. Students with disabilities should follow this procedure as early as possible.
27. **Counseling Services:** The University of Florida provides counseling services for students, staff, and faculty. See <http://www.counseling.ufl.edu/>. If you or a friend are in distress, call (352) 392-1575 (available 24/7), or email umatter@ufl.edu. Alternatively, call the Alachua County Crisis Center, (352) 264-6789. For sexual assault recovery services call the Student Health Care Center at

(352) 392-1161. For life-threatening emergencies always call 911.

28. **Emergency Numbers and Web Sites:**

- UFPD (UF Police Department): In case of emergency dial 911. The UF campus police non-emergency number is (352) 392-1111. Their web site: <http://www.police.ufl.edu/>,
- UF Emergency management: (352) 273-2100. <https://emergency.ufl.edu/>,
- Infirmary (student health center): (352) 392-1161, <http://shcc.ufl.edu/>.
- EH&S (Environmental Health & Safety): (352) 392-1591, <http://www.ehs.ufl.edu/>.

29. **Other Academic Resources:** UF provides several other resources for students, such as

- Library Support can be obtained here: <http://cms.uflib.ufl.edu/ask>, where you can find various ways to receive assistance with respect to using the libraries or finding resources.
- The Career Resource Center is located on level One in the Reitz Union, (352) 392-1601, and provides career assistance and counseling. Refer to <https://career.ufl.edu/> for further info.
- The Teaching Center is located in Broward Hall, main phone (352) 392-2010 or appointment phone (352) 392-6420, and provides students with tutoring services and counseling regarding general study skills. Refer to <http://teachingcenter.ufl.edu/> for further info. It may also provide employment opportunities as tutors for well qualified students.
- The Writing Studio is located at 302, Tigert Hall, (352) 846-1138, and provides help with brainstorming, formatting, and writing papers, see: <https://writing.ufl.edu/writing-studio/>.
- The Ombuds Office is located at 31 Tigert Hall, (352) 392-1308, and provides students assistance in resolving problems and conflicts that arise in the course of interacting with the University of Florida. By considering problems in an unbiased way, the Ombuds works to achieve a fair resolution and works to protect the rights of all parties involved. For further information go to <http://www.ombuds.ufl.edu/> or refer to the official grievances policy here: <https://regulations.ufl.edu/wp-content/uploads/2013/03/4012.pdf>.

30. **Materials and Supplies Fees:** There are no additional fees for this course.

31. **Honor Code:** This class will operate under the policies of the student honor code which can be found at: <https://sccr.dso.ufl.edu/process/student-conduct-code/>. The students, instructor, and TAs are honor-bound to comply with the Honors Pledge: **We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.** You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."* It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks. Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action.

32. **Disclaimer:** This syllabus represents my current plans and objectives. If those need to change as the semester progresses, then the changes will be communicated to the class clearly and in a timely manner and this syllabus will be updated on canvas.

If you have further questions, please contact me. Have a great semester!

Sincerely,

Alexander Angerhofer
(Dr. A)