

**Spring 2019**  
**PSCI 102: Physical Science II**

Instructor: **Dr. Tania De**

Text: *Physical Science* (14<sup>th</sup>ed) Shipman et al

Lecture/Discussion: Tuesday, Thursday  
 12:00- 12:50 PM  
 Room 404 Science Center

Dis: Tuesday 1:00 – 2:50 PM  
Lab: Thursday 1:00 – 2:50 PM  
 Room 404 Science Center

Week	Lecture Topic	Reading
1	MLK Day Chemical Elements Lab: Observation	Chapter 11 x
2	Chemical Elements Chemical Bonds Lab: Periodic Table	Chapter 11 Chapter 12 x
3	Chemical Bonds Chemical Reactions Lab: Dissolution	Chapter 12 Chapter 13 x
4	Chemical Reactions <b>EXAM 1</b> Lab: Dissolution/Chemical Bonds	Chapter 13 Chapter 14 x
5	Organic Chemistry Atmosphere Lab: Detective Work	Chapter 14 Chapter 19 x
6	Atmosphere Atmospheric Effects Lab: Acids and Bases	Chapter 19 Chapter 20 x
7	Atmospheric Effects <b>EXAM 2</b> Lab: Weather	Chapter 20 x
8	<i>SPRING BREAK</i>	
9	Minerals Rocks Lab: Greenhouse Effect	Chapter 22 Chapter 22 x
10	Volcanoes Plate Tectonics Lab: Minerals	Chapter 22 Chapter 21 x
11	Plate Tectonics Earthquakes and Structures Lab: Minerals	Chapter 21 Chapter 21 x
12	<b>EXAM 3</b> Surface Processes Lab: <b>Rocks</b>	Chapter 23 x
13	Surface Processes Surface processes Lab: <b>Rocks</b>	Chapter 23 Chapter 23 x
14	Geologic Time Geologic Time Lab: <b>Presentations</b>	Chapter 24 Chapter 24 x
15	Global Change Global Change Lab: <b>Presentations</b>	TBA TBA x

16	<b>EXAM 4</b> <b>May 9, 12:30-2:30pm</b>
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**Course Structure, Expectations and Grading Policies**

1. Lectures and discussions will often be mixed together on Tuesdays. PowerPoint lecture presentations will be posted on Blackboard. Only some slides will be used in the lectures, but you are responsible for the content in the posted presentations. During the weekly discussions we will do short collaborative inquiry activities that allow you to ask and answer your own scientific questions and reflect on the results. We will also have time to review lecture material and practice solving quantitative problems. Laboratory experiments on Thursday afternoons will require written reports. Near the end of the semester you will do a research project and make a brief oral presentation to the class. You will choose the topic and get it approved by the professor. Your topic must be directly related to the course content and may be an extension of one of the inquiries or lab experiments.
  
2. You will have threr/four **tests** during the semester . Each test has a value of 100 points. Tests consist of multiple-choice questions.For study assistance, see the practice questions at the end of each chapter in the textbook. **If you will miss a test because of illness, you must email the professor prior to the test.** Pending approval of your written request for a make-up test, you will take it in the Assessment Center. **Make-up tests will be available for two school days (other than Saturday and Sunday) after the scheduled test date unless arrangements for a further extension are made prior to the test.**

The Final exam will have a value of 100 points.

3. **Homework assignments** come from the Parallel Exercises at the end of each chapter in the textbook. Note that the selected problems are from Group B and are taken from near the end of the group. If you have trouble finding solutions to these problems, you are encouraged to go to the Group A problems, start at the beginning of the group, try solving them yourself and check your solution in Appendix E. Each homework assignment (problems correctly set up and solved) is due on the Tuesday following the week it is assigned. **No late homework will be accepted without prior approval.**
  
4. **Adhering to deadlines:**
  - a. Homework is due the Tuesday after the week the assignment is listed in the course schedule. Late homework will not be accepted without a pre-approved reason.
  - b. Inquiry reflections and lab reports are due one week after they are done during discussion or lab time. Late inquiries or lab reports will be docked 10% per school day.
  
5. **Grading policy:** The student’s final grade will be determined by the quality and timeliness of the work performed. A point system will be used for this measurement. The following shows the points for each grade component of the course.

Tests	= 60%
Homework	= 10%
Lab Reports	= 20%
Final Exam	= 10%
Total	= 100%

6. **The PSCI 102 classroom** is a place where learning by both students and professor happens, where the open sharing of ideas is valued and encouraged. To maintain this environment, all students are expected to abide by the Standards of College Behavior as published in the Montgomery College Student Handbook.
7. You are expected to attend all class sessions. Understandably, there are rare occasions when you must miss a class. In this case, you are expected to notify Prof K of your absence by email prior to the class. An excessive number of absences (greater than three sessions) may result in your being dropped from the class. Standard semester courses such as PSCI 101 may be dropped for a tuition refund before Sept 2. Requests to change to audit status must be made before September 16. Withdrawal with a "W" on the transcript must be made before November 11.
8. Student email is the official means of communication in PSCI 101. Please check the college email regularly and frequently. You will be held responsible for information, assignments, and announcements that I will send you. I will check my email box every day between the hours of 8:00 AM and 6:00 PM. When you send me a message, I will reply to you, if at all possible, within 24 hours. For this class, I will use student email to communicate information about class assignments, notify you of interesting or important current weather events, and provide feedback on your work. You may use college email to notify me in advance of an absence, submit assignments as attachments, ask questions about specific content material, and initiate discussions on topics related to class work.
9. *In addition to course requirements and objectives that are in this syllabus, Montgomery College has information on its web site (see link below) to assist you in having a successful experience both inside and outside of the classroom. It is important that you read and understand this information. The link below provides information and other resources to areas that pertain to the following: student behavior (student code of conduct), student email, the tobacco free policy, withdraw and refund dates, disability support services, veteran services, how to access information on delayed openings and closings, how to register for the Montgomery College alert System, and finally, how closings and delays can impact your classes. If you have any questions please bring them to your professor.*
10. The use of cellular phones, smart phones, text messaging, and other electronic devices unrelated to the course should be restricted to emergencies only. Please silence your cell phone before class.

**"I wish you all the best for a most successful semester." – Dr. Tania De**