



Mountain View College

DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

Physical Science I
PHYS – 1415- 62400
Spring 2019
01/22/19 – 05/16/19

Lecture: Shahnaz Sokhansanj
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Lab- Dr. Elaheh Motaharifar
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Office Number: W14

Physics classroom and lab: W16
Credit Hours: 4

Office Hours: Monday and Thursday at 1:00-3:30PM

By email: I respond to emails by the end of the day. Please email me again if you do not receive a reply within 24 hours.

Division: STEM -Ms. Eva Perez, Administrative Assistant
Office Hours: 8:00 AM-5:00 PM
Office Phone: (214) 860-8649
Office Location: H129

Physics is “The mystery of being!”

“We each exist for but a short time, and in that time explore but a small part of the whole universe. But humans are a curious species. We wonder, we seek answers. Living in this vast world that is by turns kind and cruel, and gazing at the immense heavens above, people have always asked a multitude of questions: How does the universe behave? What is the nature of reality? Where did all this come from? Did the universe need a creator? Most of us do not spend most of our time worrying about these questions, but almost all of us worry about them some of the time.

Why is there something rather than nothing? Why do we exist?

Why this particular set of laws and not some other”

Course description:

This course is primarily for non-science majors. It is a study of the basic principles and concepts of physics, chemistry, and nuclear science. These three basic sciences are related to the physical world at the introductory level.

Course prerequisites: One of the following must be met:

- (1) Developmental Reading 0093 AND Developmental Writing 0093;
- (2) English as a Second Language (ESOL) 0044 AND 0054; or
- (3) Have met Texas Success Initiative (TSI) Reading and Writing standards.

How to login on ecampus.dcccd.edu:

- Go to <http://ecampus.dcccd.edu> and click on "Access Courses". If you are logging in for the first time, enter your student ID number with a lower case "e" in front of the number. This number is used as both the user name and the temporary password. Please change your password after your initial login.

Example: user name: e3456789; password: e3456789.

- a) Use an updated browser
 - b) Have all Javascript settings enabled in your browser
- Tip: If one browser does not perform well, try another.
- c). Set your browser to accept all cookies.

NOTE** Have Questions about the Recent Password Updates?**
Please visit dcccd.edu/password-update for guides and more information.

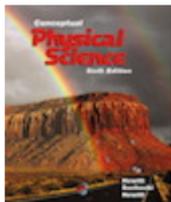
This is a web-based course, but I am easily accessible whenever help is required. My email address is: ssokhansanj@dcccd.edu

In your email, make sure you **include your course number (i.e., 1415) and your full name in the subject box.**

Please verify your [ecampus](http://ecampus.dcccd.edu) email address to ensure that you receive my emails.

Course Material:

You are required to purchase **the access key** for the following text book. The image of the textbook helps you to select the right book.



Textbook:	Conceptual Physical Science, 6th Edition
Author(s):	Hewitt, Paul G. I Suchocki, John I Hewitt, Leslie
Discipline(s):	Physics
Textbook ISBN-13:	9780134060484

There is a button on eCampus called **Mastering Physics** that takes you to the Mastering web site and assignments. You will be able to purchase the access key on eCampus. **You do NOT need an ID number** for the class on Mastering anymore.

You will find a handout about how to obtain an access key when you click on the “Mastering physics” tab in eCampus.

2) Homework assignments: these will be posted on Mastering Astronomy. You can have 3 attempts for each question. You will be able to view your grades after your third submission. Your grade should be refreshed on eCampus. **Please do not worry if you see any discrepancies between the grades on eCampus and Mastering. They will be synchronized later on. You do not need to email me about this.**

3) Lab Assignments: Lab instruction will be posted under the Lab Assignments folder for each unit of lessons. There will be virtual labs, practical labs, and short project activities. I will give you a list of items for practical labs that you should be able to easily find them in local stores, such as Walmart, radio shack or any hardware /electronic store,

Please ensure you have Java and Adobe Flash Player installed on your computer, and you are using the latest version of your browser.

4) Project Assignment: You will write 2 to 3 pages about a topic (you will find about the topic in the project folder in one month) . You will create a power point presentation, present your paper, record your presentation.

You will copy and paste your video presentation Link on your paper next to your name and also in the textbox of the folder on ecampus.

Course Outline:

Unit 1- Units of Measurement and the Scale of Universe

Unit 2- Mechanics: Motion-Newton's Laws of Motions, Momentum and Energy, Gravity, and Fluid Mechanics. Unit 3- Thermodynamics

Unit 4- Electricity and Magnetism

Unit 5- Waves, Sound, and Light

Unit 6- Atoms and Radioactivity

Core Objectives: I will assess all the core objectives through the assigned project.

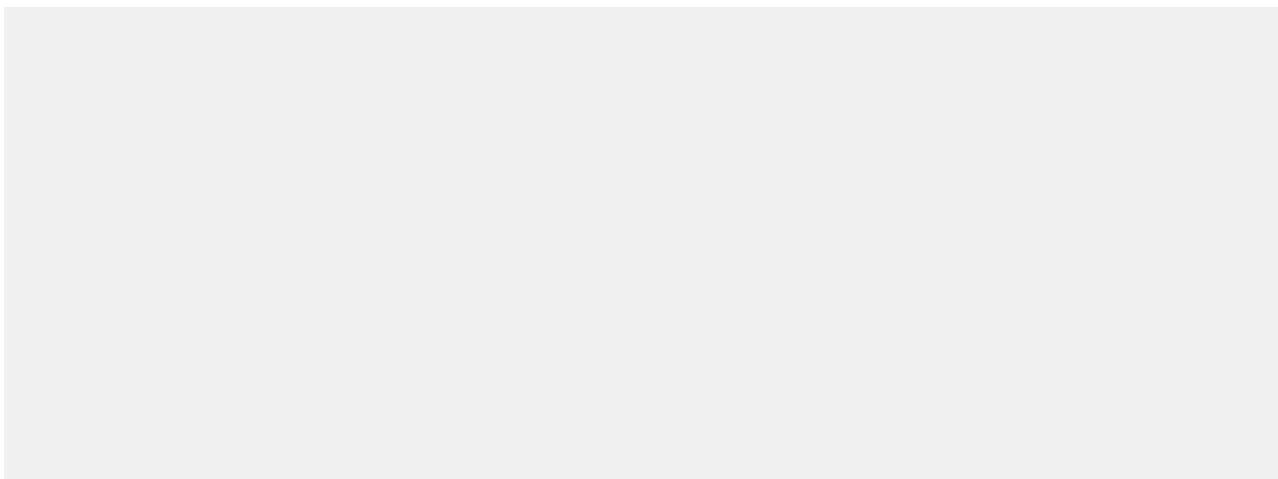
Teamwork - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal Core objective assignments and measurements:

Critical Thinking Skills - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills - to include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Please add a short introduction about yourself by Tuesday night in "Virtual Classroom" to receive credit for one homework grade. You can post your introduction after Tuesday night but you will not receive any credit.



Course Calendar and Evaluation:

Friday, Jan. 25 18, by 11:59PM

Introduction in Virtual Classroom:

Sunday, Jan 27, by 11:59PM

Making a group:

Sunday Jan 27, by 11:59PM

Quiz on syllabus under Syllabus Tab on ecampus (blackboard)

Homework / Labs and Activities /quizzes	Due date by 11:59PM
Unit 1-Units of Measurement and The Scale of the Universe	Sunday, Feb. 03
Unit2- Mechanics	Sunday, Feb. 24
Unit 3-Thermodynamics	Sunday, March 10
Spring Break	March 11- March 17
Unit 4 –Electricity and Magnetism	Sunday, April 07
Unit 5- waves, sound, and light	Sunday, April 28
Unit 6- Atoms and Radioactivity	Sunday, May 12
Project-Building an electric motor	Sunday, May 05

Course evaluation:

Homework 30%

Lab 30%

Project 25%

Quiz 15%

****The instruction for each category is in the corresponding folder on ecampus**

Late Work Policy: late assignments will be penalized 10% per day, NO exceptions.

****Please Note** there will be no grades for any assignments submitted after May 12.

Grading Scale: 90 and above = A, 80-89 = B, 70-79 = C, 60-69 = D, 59 and below = F

Lessons and Assignments- Units on ecampus:

Assignment that you will turn in are: Home works, Virtual, practical Labs and activities, and a semester projects. All these assignments are listed under each unit with a due date. As you read each unit and open the various links under the unit, you will learn about all these assignments. It is straightforward, and you can always email your questions or you also can contact your classmates through discussion board/email/ call/meeting.

You **MUST** accomplish the following reading and preparation assignments on a regular basis **before** attempting to tackle your weekly assignments:

1-Read the assigned contents in any physical Science text book.

- 2- Study and review the lecture and power points questions posted for each unit on ecampus.
- 3-Watch, Observe, review, and study the videos, animations, and interactive figures in the Study area for each chapter on Mastering Physics.
- 4- Complete and submit homework for each chapter (or unit) in the "Assignment" folder on Mastering Physics. Your final grades will be transferred to the ecampus grade book at the end of semester.
- 5- Perform a practical / virtual lab / short activities for each unit and complete the lab report. For a few labs and the project you are required to purchase a few lab material which are relatively cheap.
- 6- Watch assigned lecture videos on khanacademy.org. These are for your own learning.
- 7-Project – the topic for the project will be announced in one month after the semester starts.

Group work opportunity:

Working on assignments is easier if you work in groups. However, every person is required to submit her or his own work. You can make only groups of two.

Please introduce yourself in the virtual classroom and add a photo of yourself.

Email your classmates as many times as possible until you find a partner to work with. Do not give up easily!

You are required to record a presentation for your project. It is recommended that you find someone with whom you can meet on the recording day. Otherwise you will need to work on your project individually.

Each person is accountable. When one member of the group experiences a lack of cooperation from partner, she or he can work individually.

Virtual classroom:

To help you find someone you would like to work with, please introduce yourself and please provide relevant contact information.

You can post this information under this "Introductions" forum by creating and editing your own threads. Please note that all communication and posts must follow proper academic classroom etiquette.

Your posts should include the following:

1- *First and last name:*

2- *Email address:*

3- Telephone (optional):

4- Major:

5- Any other information you would like to share with the instructor and classmates, such as your preferred time for working on assignments, etc.

6- Attach photo of yourself

Please complete these introductions by Friday Jan 25. These introductions will count towards your class [attendance](#) for financial aid purposes, and will also earn one homework grade only if you post your introduction by the due date.

Responsibility of College Learner:

As a student in this college course, it is your responsibility to have necessary course materials and to locate a computer with reliable internet access. Computer and internet issues/problems not associated with the eCampus and Mastering websites, technical issues or downtime will not be considered exceptions to the late work and makeup exam policies. It is also your responsibility to have the necessary course materials to complete the assignments. **You will not receive extensions on assignments or tests due to financial issues, not receiving mastering physics by the start of class, or personal computer issues.** Please plan ahead and do not wait until the last minute to complete assignments or tests.

Institution Policies:

Please visit

www.mountainviewcollege.edu/syllabipolicies

for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Honesty; Americans with Disabilities Act Statement; Harassment, Discrimination and Sexual Misconduct, Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.)

Spring Academic Semester, 2019

January 2 (W)	College buildings and offices open
January 14 (M)	Faculty Reports
January 21 (M)	Dr. Martin Luther King, Jr. Holiday
January 22 (T)	Classes Begin
February 4 (M)	12th Class Day
February 28 - March 1 (R-F)	Professional Development Days -- Thursday and Friday day classes will not meet. Friday evening, Saturday and Sunday classes will meet.
March 4 (M)	Classes Resume
March 11-15 (M-F)	Spring Break - College buildings and offices will be closed for the week.
March 18 (M)	Classes Resume
April 17 (W)	Last Day to Withdraw*
April 19 (F)	Holiday
April 22 (M)	Classes Resume
May 13-16 (M-R)	Final Exams
May 16 (R)	Semester Ends
May 20 (M)	Last Day for faculty to submit grades electronically through eConnect to the Registrar's Office.
May Graduation	Ceremony dates may vary at the colleges depending on space available.