

PHY 2243 Physical Science 1

I. Instructor Information

Dr. Carl Dewitt

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Office hours: By appointment

II. Course Information

Physical Science 1, PHY 2243 (3 hours)

Lecture and Lab are combined and will be administered through Canvas.

Corequisites: PHY 2241

An introductory survey course in the physical sciences for non-science majors. The topics of physics and astronomy are covered with minimal use of mathematics.

GOALS & OBJECTIVES

1. To gain a basic knowledge of the major concepts in physics and astronomy.
2. To apply knowledge of these concepts to real world situations.

We will cover a variety of topics within the Physical Sciences.

Patterns of Motion and Equilibrium

Newton's Laws of Motion

Momentum and Energy

Gravity, Projectiles, and Satellites

Fluid Mechanics

Thermal Energy and Thermodynamics

Heat Transfer and Change of Phase

Static and Current Electricity

Magnetism and Electromagnetic Induction

Waves and Sound

Light

The Solar System

Stars and Galaxies

The Structure of Space and Time

III. Text and Course Materials/

Required Textbook: Conceptual Physical Science by Hewitt 9780134092522. This is a loose-leaf text with an access code to the eText and the Online homework.

Lab manual: You will have a lab kit to purchase for the lab class. Lab is a separate class and you should refer to the lab syllabus for more information.

Online homework: You will have homework through Mastering Physics. This online portal will allow you to complete weekly assignments and also provides a study area with flash cards, practice quizzes, and much more.

IV. Instructional Methods

Course material will be delivered through CANVAS and MasteringPhysics in the form of assignments, discussions, videos, PowerPoint presentations, Internet searches, outside resources, etc.

V. Grading Plan

TESTS - 2 unit tests (covering at least 4 chapters per test) and a proctored comprehensive final exam will be given. All of these tests will be proctored exams. There will be no “drop” grades on tests.

ASSIGNMENTS/QUIZZES - Quizzes will be administered through Canvas and may be answered while searching any available resources. (i.e. book, notes, ... etc.)

The course grade will be calculated as follows:

70%	2 Tests and Final Exam
30%	Assignments, quizzes, and homework

Grading scale:	90-100	A
	80-89	B
	70-79	C
	60-69	D

Make-up work: Students are expected to complete all assignments in a timely manner. Extensions on assignments may be given in extreme circumstance where proper documentation is provided. Make sure that proctored exams are scheduled early to avoid scheduling issues.

VI. Exams

Proctored tests will be scheduled using SmarterProctoring and administered through Canvas. Students should schedule their proctored exams early to avoid scheduling issues. Any student taking the class through the Mississippi Virtual Community College system can utilize proctor sites across the state of Mississippi.

Refer to the Canvas calendar and SmarterProctoring for Test dates.

VII. Assignments, discussions, collaborations, and other assignments will be administered through Canvas and the online homework system.

VIII. Attendance Policy

Attendance in class is a key factor of success in college. The following procedure applies to regular academic, technical, and career credit programs, including Distance Learning online courses. It does not apply to non-credit or continuing education activities. Some programs in nursing and allied health, career fields or non-credit programs require more stringent attendance policies which will be followed and will be stated in the departmental regulations for the program of study.

The primary method by which the College communicates with its credit students concerning

attendance is the students' My.Hinds email accounts. All credit students are responsible for activating their College email account within three (3) days of registering for classes for the first time and for checking it frequently (at least three times each week) when classes are in session.

All instructors will take roll at each class meeting and will maintain an attendance record for each student. Attendance will be recorded beginning the first day of the class or the first day the student registers for the class, whichever is later. The student is responsible for all assigned work, including work which occurred prior to the student's enrollment in the class. Students must attend 80% of the meetings for each course in order to receive credit for a course. All Instructors will make certain that each student is aware of all College policies and procedures concerning attendance, excessive absence notification, and withdrawal, and they will stress the student's responsibility for reading all related requirements in the *College Catalog* and the *Student Handbook*.

Students should be aware that beginning with the fall term of 2011, class attendance will be used as one factor in determining the release of the balance of financial aid.

The instructor will send a notice of absences and or drop you from the class when the following conditions for inactivity have been met:

	FALL/SPRING	SUMMER/SHORT TERM	
Notice of Absence (NOA)	2 absences	1 absence	
Drop for Excessive Absence (DEA)	3 absences	2 absences	

IX. Plagiarism/Academic Honesty

ACADEMIC HONESTY

Academic pursuits require the exploration of ideas from a multitude of sources. A responsible scholar always gives credit to the ideas of others. Ethical treatment of sources as well as honesty in testing and assignments are hallmarks of academic integrity. Hinds Community College considers academic honesty essential for scholastic excellence.

Plagiarism

Plagiarism occurs when an individual borrows words, ideas, original material, or data from another person, group, or organization without acknowledging the original source of the material. Students are expected to cite sources correctly. Several resources are available on the Hinds Community College website to help students incorporate ideas of others into their own work.

Cheating

Cheating is defined as the act of obtaining or attempting to obtain or aiding another to obtain academic credit for work by the use of any dishonest, deceptive or fraudulent means. Examples of cheating during an examination include: copying from another's test or examination; discussion of answers or ideas relating to the answers on an examination or test; possession, giving or receiving copies of an examination or exam questions without the permission of the instructor; using or displaying notes, "cheat sheets," or other information or devices inappropriate to the prescribed test conditions; allowing someone other than the officially enrolled student to represent the student at the examination.

Legitimate Collaboration

In situations in or outside the classroom where some degree of collaboration is permissible, it is the responsibility of the instructor to give written instructions to his/her classes specifically stating what forms of collaboration are authorized. When procedures are not clearly understood, it is the responsibility of the student to consult with the instructor.

Penalties for Academic Dishonesty

The penalty for the first commission of any offense set out above will be either a zero on the particular assignment, withdrawal from the course, or failure in the course. These options will be clearly stated on the instructor's syllabus. The instructor will also refer the matter for possible further action, including possible suspension or dismissal from the program of study or from the college. The penalty for subsequent commissions of any of these offenses will be failure in the course and possible dismissal or suspension from the program of study or from the College.

In cases of academic dishonesty:

1. The instructor will immediately email the student, the department chairperson, the Academic Dean or Career-Technical Dean and/or Dean of eLearning (whichever is appropriate) and the campus/Dean of Students/Associate Vice President of Student Services, indicating the action taken.
2. If the student has been previously reported as committing the same offense, the Dean of Students will notify the instructor, department chairperson, and appropriate dean, who will together determine if further action is needed.

X. ADA Statement/Non-discrimination Statement

Notice of Non-discrimination Statement:

In compliance with the following: Title VI of the Civil Rights Act of 1964, Title IX, Education Amendments of 1972 of the Higher Education Act, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 and other applicable Federal and State Acts, Hinds Community College offers equal education and employment opportunities and does not discriminate on the basis of race, color, national origin, religion, sex, age, disability or veteran status in its educational programs and activities. The following persons have been designated to handle inquiries regarding the non-discrimination policies:

Dr. Debra Mays-Jackson, Vice President for Administrative Services
34175 Hwy. 18, Utica, MS 39175
601.885.7002

Dr. Tyrone Jackson, Associate Vice President for Student Services & Title IX Coordinator
Box 1100 Raymond Campus (Denton Hall 221), Raymond, MS 39154
601.857.3232
TitleIX@hindsgcc.edu

Disability Support Services Statement:

Hinds Community College provides reasonable and appropriate accommodations for students with disabilities. Disability Services staff members verify eligibility for accommodations and work with eligible students who have self-identified and provided current documentation. Students with disabilities should schedule an appointment with the designated Disability Services staff member on their respective campus to establish a plan for reasonable, appropriate classroom accommodations.

- Rankin Campus - 601.936.5544

- Raymond Campus and all online courses - 601.857.3646
- Jackson Campus-ATC - 601.987.8158
- Jackson Campus-NAHC - 601.376.4803
- Utica Campus - 601.885.7045
- Vicksburg-Warren Campus - 601.629.6807

XI. Emergency Procedures (on campus classes)

Emergencies either man-made or natural can occur at any time and for any reason. Hinds Community College strives to keep our students, faculty, staff, and visitors' safe at all times. Hinds Community College's Emergency Alert System is called EagleOne Alerts. The EagleOne Alert Network uses SMS/ Voice messages, Emails, Emergency Info Line (601.857.3600), Eagle-One Website and Eagle Vision to communicate vital information to let students and staff know when there is an emergency on or around campus and what they need to do to be safe. EagleOne Alert is the accurate source for emergency information for Hinds Community College. More information about the EagleOne Alert Network and can be found at <http://eagleone.hindscc.edu/>. The EagleOne Alert Network is tested on the first day of every month at noon (weather permitting).

XII. Video Surveillance

Hinds Community College utilizes Video Surveillance Cameras in order to enhance security and personal safety on its campuses. It has been determined that use of this equipment may prevent losses and aid in the law enforcement activities of the Hinds Campus Police. To ensure the protection of individual privacy rights in accordance with the law, a formal Policy on the Use and Installation of Video Surveillance Equipment has been written to standardize procedures for the installation of this type of equipment and the handling, viewing, retention, and destruction of recorded media. Under no circumstances shall the contents of any captured audio or video recordings be exploited for purposes of profit or commercial publication, nor shall recordings be publicly distributed except as may be required by law.

XIII. General Information

Netiquette

The term "netiquette" is a compound of the words "network" and "etiquette". It refers to acceptable codes of practice for interacting with others while online. In order to prevent misunderstandings and promote engaging and meaningful collaboration, extra care must be taken into how you express yourself in your written communication.

How to Communicate

- **Be professional** as you communicate. Reread your written text before posting or emailing. In much of the corporate world, writing in all caps is considered yelling and, therefore, is not acceptable in any online communication, nor is texting lingo.
- **Be considerate.** Think about how your words affect others.
- **Be respectful** of the opinions of others and respect your instructor.
- **Be calm.** Try to keep your emotions out of class.
- **Humor and sarcasm.** Because there are no visual cues in distance education, humor and sarcasm are impossible to discern. Be very careful when interjecting humor and refrain from using any remarks that are sarcastic in nature.

- **Harassment and other offensive behavior.** The online learning environment is no place to harass, threaten, or embarrass others. Comments that can be viewed, as offensive, sexist, or racially motivated will not be tolerated.
- **Offensive material.** Students may not post, transmit, promote, or distribute content that is racially, religiously, or ethnically offensive or is harmful, abusive, vulgar, sexually explicit, otherwise potentially offensive.
- **Copyrights and intellectual property.** Plagiarism will not be tolerated. Ideas that are copied should always be cited correctly.

Revised 11-30-16