

Course Title **PHYS 1405 Elementary Physics I**
Semester 2020S2

Time: Online
Classroom: Online
Instructor: Dr. Charles Williams
Office Hours: Midnight - 2:00AM 7 days per week (preferred)
 Noon - 2:00PM M - F
Phone: 318-426-5765
E-Mail: charles.williams@jacksonville-college.edu (preferred)

COURSE PREREQUISITES, COREQUISITES, AND/OR OTHER RESTRICTIONS:

Working knowledge of simple algebra recommended but not required.

COURSE DESCRIPTION:

This course is an introduction to physics. Topics include kinematics and dynamics of particles; light; momentum, work, and energy; gravitation; space, uniformitarianism, nuclear dating.

REQUIRED TEXTBOOK AND MATERIALS:

Text will be provided by instructor

SUGGESTED COURSE MATERIALS:

Some inexpensive items available at a grocery store (WalMart, Target, etc.). The scientific calculator on a smart phone or home computer is all you will need for your calculations...make sure you know how to use these functions before crunch time.

STUDENT LEARNING OBJECTIVES:

This course is an introduction to the basic concepts of Physical Science and the application of those principles to the physical and chemical processes and phenomena around us.

This course is intended to give students a foundational knowledge of Physics. This course will examine measurement, motion, force, work, energy, heat, light, electricity, cosmology, and uniformitarianism. Although each of these subjects will not be studied in great depth, the students should gain a broad understanding of the many physical and chemical phenomena

and processes around us. Students will also have the opportunity to develop reasoning and problem-solving skills.

COURSE PHILOSOPHY:

Physics is a vast subject area which at the elementary level are quite simple. You must keep up. The only students who do poorly in physics are those who get behind. If you hit a snag then let me know so I can give you a nudge in the right direction.

Procrastination is your biggest enemy so stay current and you will do fine.

COURSE TOPICS:

Upon completion of this course, the student should have demonstrated knowledge of

1. momentum;
2. thermodynamics;
3. Newton's three laws;
4. gravity;
5. radioactive dating;
6. cosmology;
7. force and motion;
8. optics

Review questions that will be the basis of instruction are available at the course website.

COURSE ASSIGNMENTS/ACTIVITIES:

Online courses are required to follow certain accreditation standards that may seem different from traditional classroom standards. I have very little wiggle room when it comes to altering these standards. There are times it may look like I am being rigid with assignments that are due at a specific time and date but these policies are required to be followed. I will always help when possible.

GRADING PROCEDURE:

Assessment	% of Final Grade
Exam #1	25
Exam #2	25
Quizzes	25
Lab Assignments	25

Final Grade Distribution:

A	90	to	100%
B	80	to	89%
C	70	to	79%
D	60	to	69%
F	0	to	59%

COURSE POLICIES:

ABSENCES:

I do not take attendance however you must know that there is a time stamp available every time you login to the course and when you logout.

Missing assignments for any reason will cause you to struggle and with each passing day it gets worse. Excused absences are still absences and lost time for learning so try to avoid absences.

TURNING IN ASSIGNMENTS:

1. All assignments must be submitted through the course platform. There are no exceptions. This allows for review and auditing if necessary.
2. No work will be accepted through email or through written correspondence.
3. All required assignments (quizzes, labs, exams) must be turned in by midnight Sunday. There are no exceptions. The assignments will be locked automatically by Moodle at midnight so yelling at your computer one second late will do no good.

ATTENDANCE:

All assignments will be posted a week in advance. This will give you 168 hours to get the assignments done and submitted. Therefore, there will be no makeup work. This is an accelerated

class so you should expect to work several hours DAILY on your assignments. Avoid at all costs trying to get a week's worth of work done in one day.

PARTICIPATION:

There are no required discussion boards for this course however you should seek out other students taking the course and exchange ideas. You should NOT seek to be taught by classmates since they may not fully understand the problem. There are times when I do not make myself clear so just ask and I will nudge you forward.

RESPONDING TO STUDENT MESSAGES:

All emails come directly to my phone so I get your messages as quickly as you can send them. I normally respond to emails within minutes of receipt but will always respond within 24 hours.

Students often misunderstand about why their emails are not answered. Let me answer this for you.

1. Students use all kinds of commercial email or the campus email system. These services have limited space and capacity. Once the space is gone or if the email attachment is too large then the email will not be delivered. This can be fixed by keeping your email clean.
2. Students often pick up viruses and send them with their messages. My computer detects most known viruses and will not allow them to be delivered. Therefore if you are infected I don't know if your message was sent. This can be fixed by regularly checking your machine for viruses.
3. Some students have more than one account (I have several) because they forgot their password or username. They send me a message and then wait for an answer from another account. Make sure you remember your account, password, and username.

ONLINE STUDENT SUPPORT SERVICES:

Support services and resources are available to all online students and may help you succeed in this course. Find out what services are available and how to access them by visiting our [Online Student Support Services](#) page.

TECHNICAL SUPPORT:

If you experience any technical problems with your MOODLE account, Jagmail, or other technology needs, you may send an email to: help@jacksonville-college.edu

LIBRARY COURSE ON MOODLE:

The Norman Library provides many online resources to students. To access these resources, or to request assistance with using these resources, you may visit the Library course on Moodle. Just sign into Moodle and then in the navigation block on the left side of the page click the current term and then the link to the Library course.

STUDENTS WITH DISABILITIES

Jacksonville College complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. This compliance is pertaining to the provision of reasonable accommodations for students with a disability. In accordance with Section 504 and ADA guidelines, Jacksonville College strives to provide reasonable accommodations to students who request and require them. The Federal regulations that deal with implementing Section 504 and the ADA establish that reasonable and appropriate academic accommodations must be provided to students with disabilities to allow equal access to educational opportunities. While providing accommodation, however, institutions of higher education are not required to lower academic standards or compromise the integrity of the school, department, or program. The Office of Disability Services recommends accommodations for students with disabilities in compliance with these Federal and State mandates. If you believe that you have a disability requiring accommodations, please contact the Office of Disability Services (counselor.504@jacksonville-college.edu; 903-586-2518 ext. 7103).

ACADEMIC HONESTY:

Jacksonville College Honor Code

Each person of the Jacksonville College community is expected to uphold the Honor Code. The purpose of the Honor Code is to establish and preserve an environment of honor and integrity in the academic community. A deep faith in God is the foundation of Jacksonville College and should influence the personal and scholarly conduct of every student. Therefore, “. . . whatever you do, do it heartily, as to the Lord and not to men” Colossians 3:23 (NKJV).

A violation of the Honor Code consists of but is not limited to the following defined actions:

DEFINITIONS:

- A. **Lying:** making a false statement made with the deliberate intent to deceive. Lying includes but is not limited to the following:
 - 1. Substituting for another student, or permitting another student to substitute for oneself, in taking a quiz or test.
 - 2. Falsifying college documents including alteration or forgery. (Disciplinary consequences for this violation are determined by the College administration.)
 - 3. Providing false information during the course of an investigation of an alleged violation of the JC Honor Code or the Student Code of Conduct.
- A. **Stealing:** taking the property of another, including College property, without permission or right.
- B. **Cheating:** dishonest behavior including, but not limited to, the following acts:
 - 1. **Plagiarism:** the act of taking or closely imitating another individual's thoughts or words and using them as one's own, whether by paraphrase or direct quotation, without giving credit through proper documentation; the submission of an assignment written by another student, commercial organization, or anyone other than the student.
 - 2. **Unauthorized Assistance or Collaboration:** students working together on any tests, quizzes, assignments, or exams without the instructor's permission.

3. **Use of Unauthorized Materials:** using textbooks, cell phones, laptops, calculators, or other electronic devices for tests, quizzes, or assignments without instructor's permission.
4. **Unauthorized Dual Submission of Previous Academic Work:** using any work from a previous course or another course for an assignment unless a student has received prior permission from an instructor.
5. **Other Academic Misconduct:** including, but not limited to, stealing quizzes or exams, altering academic records including grades, sabotaging the work of another student, or unauthorized use of another student's electronic devices; intentionally reporting a false violation of academic integrity or offering a bribe to any College member in exchange for special consideration or favors.

DISCIPLINARY CONSEQUENCES OF ACADEMIC VIOLATIONS:

- A. **First Offense:** The student will be given a zero or "F" on the test, exam, course paper, or class assignment.
- B. **Second Offense** (whether in same class or another class): The student will receive an "F" in the course in which the second offense occurred.
- C. **Third Offense** (whether in same class or another class): The student is subject to being withdrawn from the College by the Academic Dean.

REPORTING ACADEMIC VIOLATIONS:

- A. The instructor and student will sign the Academic Violation Report Form. The instructor will send copies of the Report Form to be filed in the Office of the Academic Dean as long as the student attends Jacksonville College.
- B. The Academic Dean may talk with the student regarding the academic violation. (See the Student Handbook.)
- C. The instructor will keep the Academic Violation Report Form and a copy of the work in question as long as the student attends Jacksonville College.
- D. For a second offense, the Academic Dean will notify the student regarding an "F" in the course in which the second and subsequent violation occurred.

- E. For a third offense, the Academic Dean will notify the student of his or her due process in the withdrawal procedures from the College.

APPEALS:

The student may refer to the "Student Grievance Procedure" section in the *Course Catalog*.

JACKSONVILLE COLLEGE HONOR CODE STUDENT PLEDGE:

As a student of Jacksonville College, I agree to abide by the Honor Code. I will neither lie, steal, cheat, nor tolerate this behavior in others. I will not plagiarize, use unauthorized materials, or give or receive unauthorized help on assignments, papers, or exams whether online or in the classroom. The work that I submit will be my work only and not the work of others. I pledge to report any suspected dishonesty or violation of the Honor Code to the instructor or the Dean of Students.

Having read and understood the contents and purpose of this document, my signature indicates my commitment to abide by the Jacksonville College Honor Code.

Student Signature: _____

Printed Name: _____

Course Name: _____ Date: _____
