

Lake-Sumter State College Course Syllabus

Course Information:

Course Prefix and Number: PHY 1020C

Course Title: Conceptual Physics

CRN: 10347

Credit Hours: 3

Semester: Fall 2019

Class Days, Location, Time: Monday through Friday, 50 minutes per day, TVHS, Room 136

Course Description: A hands-on course which provides an understanding of basic physical principles as they apply to everyday phenomena. Students are taught how to make observations, collect data and draw conclusion based on the data. Basic mathematics and/or elementary algebra may be needed to apply physical principles to common applications.

Instructor Information:

Name: Elizabeth Nisbet

E-Mail: NisbetE@lssc.edu

Office Location: Room 136

Phone: n/a

Office Hours: After School- Tuesday, Thursday, Friday 2:40-3:00

Vital Communication Information:

For e-mail, please note that all students are required to use Lakehawk Mail for official college e-mail communications. See the college webpage for [instructions on activating Lakehawk Mail](#).

Sending a private message using the MESSAGES tool in Canvas is always the most secure method of contacting your Instructor.

Please remember that any phone contact with your Instructor should be of a professional nature. Please always leave a clear, concise, but detailed message with your contact and class information. Always follow up a phone call with a written account via Canvas Message or e-mail.

Prerequisites/Co-requisites:

Prerequisites: Successful completion of all developmental math courses indicated through placement testing.

Co-requisites: None

Textbook & Other Course Materials:

- Modified Mastering Physics for Hewitt, Conceptual Physics, 12e, Hewitt, ISBN: 9780321940667
- Calculator

Technology Requirements:

Canvas is a required component of this course. Students unfamiliar with Canvas are expected to complete the Student Orientation course located in Canvas within the first week of classes.

Major writing assignments need to be created and saved in a file format that is compatible with Microsoft Word. If using a word processing program other than Word, it is the student's responsibility to adhere to all formatting and submission requirements. Please ask for help if you are unsure how to save a file in a Word-compatible format.

See the [LSSC student Technology Help Desk website](#) for more information on how to [obtain Microsoft Office 365 as an LSSC student](#).

Course Student Learning Outcomes:

The following outcomes will be assessed in this course. An "outcome" is defined as something students take with them beyond this course. After successful completion of this course, the student will...

1. Describe and identify components, assess and discuss results, as well as design (and/or implement) scientific experiments.
2. Critically evaluate qualitative and quantitative data, applying inductive reasoning to arrive at scientifically rational conclusions.
3. Demonstrate competency with the principles of the scientific method, as well as an appreciation for its purpose in obtaining results from a collection of carefully recorded objectively based observations representing the current level of knowledge as accepted by the scientific community.
4. Integrate basic concepts of chemical, physical, and biological processes into a cohesive awareness of the interrelationships that exist between them.

Course Objectives:

Objectives are defined as what the course will do and/or what the students will do as part of the course.

1. Demonstrate knowledge of physical principles.
2. Describe examples of and applications of physical principles.
3. Demonstrate use of physical principles through lab experiments

Institutional Policies & Procedures:

Academic Integrity:

The successful functioning of the academic community demands honesty, which is the basis of respect for both ideas and persons. In the academic community, there is an ongoing assumption of academic integrity at all levels. There is the expectation that work will be independently thoughtful and responsible as to its sources of information and inspiration. Honesty is an appropriate consideration in other ways as well, including but not limited to the responsible use of library resources, responsible conduct in examinations, and the responsible use of the Internet. See [college catalog](#) for complete statement. **Copying another students work during class, on a test, or outside of the classroom will be documented and both LSSC and VHS will be notified during the referral process.**

Important Information for Students with Disabilities:

Any student with a documented disability who requires assistance or academic accommodations should contact the Office for Students with Disabilities immediately to discuss eligibility. The Office for Students with Disabilities (OSD) is located on the Leesburg Campus, but arrangements can be made to meet with

a student on any campus. An appointment can be made by calling 352-365-3589 and specific information about the OSD and potential services can be found at [Disability Services](#).

Privacy Policy (FERPA):

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of a student's education records. In order for your information to be released, a form must be signed and in your records located in the Admissions/Registrar's Office.

Zero-Tolerance for Violence Statement:

Lake-Sumter State College has a policy of zero tolerance for violence as stated in College Board Rule 2.17. Appropriate disciplinary action will be taken in accordance with Board Rule 2.17.

Attendance/Withdrawal Policies:

Initial Attendance:

Initial attendance will be entered at the end of the second week of the semester/mini-mester. A student who has not met initial attendance requirements will be marked as "not-attending" and administratively withdrawn from the class. The withdrawn student is still financially responsible for the class (see the [college catalog](#)) for more details.

Withdrawal:

Once the Add/Drop period passes, students deciding to discontinue class attendance and/or online participation have the responsibility for formal withdrawal by the withdrawal deadline.

Withdrawal Deadline:

Monday, 10/28/2019 at 4:30 pm

Instructor Policies:

Grades for the course are determined by a combination of short paper homework assignments, online homework for review, in-class labs, online labs, and tests.

Homework that is assigned prior to an absence is due the day the student returns to class. Students have 3 days to make up any classwork that they have missed during the absence. Students absent the day before a test (review day) are expected to take their test the day they return. Students who do not do a homework assignment (either paper or online) will receive a zero.

Labs are done during class. Students who are absent have 3 days to make up any labs that they have missed.

Tests are given approximately every 7 class days. The lowest test of the semester is dropped. Students who are absent have one week to make up a missed test. Students who fail to make up their test within a week will receive a zero.

I will be using the VHS school wide behavior management plan (attached at the end of this document).

Late Work/Extensions:

Late work is not accepted. Completing homework assignments in a timely manner is an important part of the learning process. Students are expected to complete and submit all assignments by the due date and time listed on the chapter plan.

There is no makeup time for quizzes, exams, or tests, except under documented circumstances such as hospital stay, doctor excuse, police report, etc. Students are expected to contact their instructor prior to class if they must be absent of any reason. Each situation will be determined on a case-by-case basis by

your instructor. Instructors are not required to accept nor grade any quiz, test, or exam submitted late. Extensions are not possible.

Classroom Etiquette:

Students should be respectful of other students and faculty during class discussions and assignments.

Students should return all equipment to the correct location at the conclusion of the class period.

Grading Information:

Methods of Evaluation:

Summative tests are based on lecture, lab, and homework/practice assignments. Labs will be graded on the level of understanding of the student; rubrics will be used when applicable. Homework will be graded on accuracy.

Grading Scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 59% and below

Course Calendar:

| Week | Begins | Objectives & Reading Assignments | Items Due |
|------|--------|----------------------------------|------------------------------------------------------------------------|
| 1 | 8/8 | Chapter 1-2 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 2 | 8/12 | Chapter 3 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 3 | 8/19 | Chapter 3 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 4 | 8/26 | Chapter 4 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 5 | 9/2 | Chapter 5 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 6 | 9/9 | Chapter 6 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 7 | 9/16 | Chapter 7 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 8 | 9/23 | Chapter 7 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 9 | 9/30 | Chapter 8 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 10 | 10/7 | Chapter 9 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 11 | 10/14 | Chapter 10 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 12 | 10/21 | Chapter 19-20 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 13 | 10/28 | Chapter 21-22 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 14 | 11/4 | Chapter 26-28 | Online HW for the chapter, miscellaneous in-class assignments and labs |

| Week | Begins | Objectives & Reading Assignments | Items Due |
|--------|--------|----------------------------------|------------------------------------------------------------------------|
| 15 | 11/11 | Chapter 22-23 | Online HW for the chapter, miscellaneous in-class assignments and labs |
| 16 | 11/18 | All Chapters | Review items |
| 17 | 11/25 | Fall Break | |
| Finals | 12/2 | Cumulative Final Exam | Split over 2 class periods |

Assignment Overview & Grade Breakdown:

| Category | Description | Points or % |
|-------------|-----------------------------------------------|-------------|
| Assignments | Homework: paper and online, Other Assignments | 20% |
| Labs | In-class Labs or Virtual Labs | 20% |
| Tests | Chapter Tests | 40% |
| Final | Final Exam | 20% |

Syllabus Disclaimer:

Information contained in this syllabus is, to the best knowledge of this instructor, considered correct and complete when distributed to the student. The instructor reserves the right, acting within policies and procedures of Lake-Sumter State College, to make necessary changes in course content or instructional techniques without prior notice or obligation to the student.

SCHOOL WIDE VHS BEHAVIOR MANAGEMENT PLAN:

VHS CLASSROOM BEHAVIOR PLAN: (Level 1 Infractions)

*Teachers in the classroom will incorporate the following Classroom Behavior Management Plan Steps: when students choose to disregard classroom/school rules, disrupt the learning environment, or any other **LEVEL 1 Infraction**, such as cell phones, headphones, dress code , food/gum/candy/beverage, inappropriate display of affection, refusal to work, etc.*

INTERVENTION STEPS: Clarify this is not daily; this cumulative for semester

1. Private conference with the student - **WARNING**
2. Private conference with the student - **WARNING** - next step will result in parent contact
3. Parent Contact - warning that the next occurrence will result in an assigned after-school detention
4. Parent contact and After-School Detention. Room 220 - 2:45-3:25
****Detentions will not be rescheduled, unless a parent/guardian calls, provides written documentation, or if a student is absent on the day of detention. A missed detention will result in a Saturday School****
5. Parent contact and **DISCIPLINE REFERRAL** - see progression plan below.

ALL REFERRALS ARE CUMULATIVE DURING THE SEMESTER WITH THE EXCEPTION OF THOSE WRITTEN FOR TARDIES AND THOSE REFERRALS WILL BE ADDRESSED ACCORDINGLY.

Any referral written for Level 2-3-4 Infractions will result in Saturday, ISS, OSS, or possible dismissal.