

Instructor Information	
Instructor	Joseph Arisco
Email	ariscojp1@lamarpa.edu
Phone	(409) 984-6381
Office	Umphrey Industrial Technology Center - Room: 201B
Office Hours	Tue 11am - 2pm, Thr 11am -2pm.
Additional Contact Information	
Course Information	
Description	Introduction to physics for industrial applications including vectors, motion, mechanics, simple machines, matter, heat, and thermodynamics.
Required Textbooks	<i>Textbook Purchasing Statement: A student attending Lamar State College Port Arthur is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.</i> Applied Physics by Dale Ewen, Neill Schurter, P. Erik Gundersen Edition: 11 Publisher: Pearson ISBN-13: 978-0-13-415938-6 ISBN-10: 0-13-415938-1 Textbook Purchasing Statement: A student attending Lamar State College Port Arthur is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.
Additional Materials/Resources	None
Corequisites/Prerequisites	Strongly suggest TECM-1301 (not required)">Strongly suggest TECM-1301 (not required)
Learning Outcomes	* Develop understanding Physics its role in Technology * Use standard measurement systems to define variables in Physics problems * Transpose linear equations to solve for unknowns * Calculate Physics solution in technical application
Core Objectives	* Communication skills: Students will demonstrate effective written, oral and/or visual communication. * Critical Thinking Skills: Students will engage in creative and/or innovative thinking, and/or inquiry, analysis, evaluation, synthesis of information, organizing concepts and constructing solutions. * Empirical and Quantitative Skills: Students will demonstrate applications of scientific and mathematical concepts
Lecture Topics Outline	Chapter 1 - The Physics Tool Kit Chapter 2 - Problem Solving Chapter 3 - Vectors Chapter 4 - Motion Chapter 5 - Force Chapter 6 - Momentum Chapter 7 - Concurrent and Parallel Forces Chapter 8 - Work & Energy Chapter 9 - Rotational Motion Chapter 12 - Matter Chapter 13 - Fluids Chapter14 - (Discussion Only) - Temperature & Heat Transfer Chapter 15 - Properties of Gases Chapter 17 - (Discussion Only) Basic Electricity Chapter 18 - (Discussion Only) Magnetism
Major Assignments Schedule	Week 1- Jan.20 - MLK Holiday / Jan. 22 -Syllabus/ Chapter 0 / Chapter 1/ HW #1 Week 2- Jan 27 - Chapter 2 / Jan.29 - HW #2 & Intro to Chapter 3 Week 3- Feb. 03- Chapter 3 - HW #3 / Feb. 05 - Chapter 4 & HW #4 / Review Test #1 Week 4- Feb.10- Test #1 (Ch. 1-4) / Feb. 19 - Charter 5 & HW #5 Week 5- Feb. 17 - Chapter 6/ Feb. 26 - HW #6 Week 6- Feb. 24- Chapter 7 / Mar. 05 - HW #7 Week 7- Mar. 03 - Rev. Test #2 & Pop Quiz #1 (Ch. 5, 6 & 7) / Mar.06 - Test #2 (Ch.5, 6, & 7) Week 8 - Mar.10 - Mar. 15- Spring Break Week 9- Mar. 17 - Chapter 8 / Mar. 19 - HW #8 Week 10- Mar. 24 - Chapter 9 / Mar. 26 - HW #9 - Skip Chapter 10 &11

Week 11- Mar. 31- Chapter 12 / Apr. 02 - HW #10
 Week 12- Apr. 07 - Chapter 13 / Apr. 09 - HW #11 / Summary Discussion Chapter 14 (No HW)
 Week 13- Apr. 14 - Chapter 15 / Apr. 16 - HW #12
 Week 14- Apr. 21 - Skip Chapter 16 / Chapter 17 & 18- Summary Discussion (No HW)
 Week 15- Apr. 28 - Egg Drop Project - Pop Quiz # 2 -(Ch. 14, 17 & 18- Extra Credit on Final)
 Week 16- May 05 thru May 07- Comprehensive Review- All Chapters Up to & Including Chapter -1 thru 9, 12, 13 & 15.
 Week 17- May 12- Comprehensive Final

Final Exam Date	May 9, 2025 - 8:0 AM Through May 12, 2025 - 11:59 PM
Grading Scale	90 - 100 = A 80 - 89 = B 70 - 79 = C 60 - 69 = D Below 59 = F
Determination of Final Grade	Exams/Finals- 50% Homework/Projects/Lab Assignments- 50%

Course Policies

Instructor Policies

Academic Policies

- * If you miss an exam (for excused absence) make-up exams may be allowed with Instructor permission at the Testing Center on first available date. The Instructors may allow a missed test to be replaced with your lowest test grade counting twice (NOT including the Final-The Final is required). If you miss more than one exam, those exams will be given a grade of zero.
- * Students must leave the classroom after exam is finished.
- * There will be a comprehensive final exam. All students must take the exam on the scheduled date and time, and failure to do so will result in receiving "F" on the final exam.
- * Every student MUST have a copy of the required textbooks by the third day of class. The student will still be responsible for any assignments given. Failure to have a text may result in being dropped from the class.
- * Students are responsible for completing all assigned reading.
- * A failure to follow oral and/or written instructions will result in penalties.
- * Late homework will be assessed a five-point penalty for each week passed the original due date. Late work will be accepted for up to 5 weeks after the original due date. After the five week period, no work will be accepted without Instructors special permission.
- * Academic dishonesty will result in a zero on any academic work or exam in question; a second incidence of academic dishonesty on any academic work or exam in question will result in the student being given an "F" for the course.
- * Student IDs are required for the first exam. IDs must be visible on your desk before the exam is administered? No ID, No Exam
- * Students should keep a record of their grades/average. Instructor(s) will not average grades for students. Instructor does not "drop" grades.
- * Extra credit may be assigned at the discretion of the instructor.

Statement of Academic Integrity

- * A student attending LSCPA assumes responsibility for conduct compatible with the mission of the college as an educational institution.
- * Students have the responsibility to submit coursework that is the result of their own thought, research, or self-expression.
- * There is no tolerance for plagiarism or academic dishonesty in any form, including unacknowledged "borrowing" of proprietary material, copying answers or papers, fabrication, collusion, falsifying documents, using crib sheets, unauthorized help during exams, or passing off someone else's work as one's own.
- * Students must follow all instructions given by faculty or designated college representatives when taking examinations, placement assessments, tests, quizzes, and evaluations.

Withdrawal Policy:

- * It is the responsibility of each student to ensure that his or her name is removed from the roll should he or she decides to withdraw from the class. The instructor does, however, reserve the right to drop a student should he or she feel it is necessary.
- * If a student decides to withdraw, he or she should also verify that the withdrawal is submitted before the final withdrawal date.
- * The student is also strongly encouraged to retain their copy of the withdrawal form for their records.
- * The student is required to turn in any equipment or items that belong to the department. Failure to do so may compromise their standing with LSCPA.
- * State law permits students to withdraw from no more than six courses during their entire undergraduate career at Texas public colleges or universities. With certain exceptions, all course withdrawals automatically count towards this limit. Details regarding this policy can be found in the LSCPA college catalog.

Software Requirements:

- * If you are in a course that is using a specific software, you MUST have the software available to you--either on your home computer or you must use the open lab provided in the Gates Library.
- * Reliable Internet access is required for all online courses and many traditional courses.
- * Computer failure and lack of internet access are not acceptable excuses for missed assignments, projects, quizzes, or exams. DO NOT wait until the ?last minute? to complete class work or exams.

Classroom Etiquette:

The following behaviors will result in the student being asked during class time to cease the action and/or leave the classroom: using cell phones, talking, or keying while the instructor is giving instructions or during class discussions; leaving class early without informing the instructor; surfing the Internet during lecture; and displaying a rude or negative behavior toward the instructor or other students.

No cell phones should be visible or heard during class. Again, you may be asked to leave the room for the remainder of the class. No blue tooth technology or recording of lectures in any format (unless approved by the instructor). No charging of cell phones in the classroom.

E-Mail/Voice Mail Etiquette:

Students must use appropriate e-mail etiquette when corresponding with instructor; for example, complete sentences and a full subject line with your name/course name. Voice mail messages should be clearly spoken identifying student's name, course, and any return phone number.

Online Course Requirements for Hybrid and Online Classes

- * This course cannot be completed by only using a mobile device.
- * Students are responsible for all readings that are assigned, including textbook readings and lecture notes.
- * Assignments/Projects will be assigned weekly and will have a specific due dates.
- * Quizzes will be given periodically throughout the semester.
- * Exams/Finals--all tests are closed-book, closed-notes and are made up primarily of multiple-choice questions. Tests must be completed in the allotted time frame. EXAMS CANNOT BE COMPLETED ON A MOBILE DEVICE.
- * If you miss an exam, your lowest test grade will count twice. If you miss more than one exam, those exams will be given a grade of zero.
- * There will be a comprehensive final exam. All students must take the exam on the scheduled date and time, and failure to do so will result in a ?0? on the final exam.
- * Every student MUST have a copy of the required textbooks by the second week of class. The student will still be responsible for any assignments given. Failure to have a text may result in being dropped from the class.
- * A failure to follow instructions (written or oral) will result in penalties.
- * Students should keep a record of their grades/average. Instructor(s) will not average grades for students. Instructors do not "drop" grades.
- * For each assignment, students must complete the entire lesson (file) on their own. Students are never allowed to use anyone's USB or file but their own, or work together. Students should never lend their file to another student nor should a student have any other students work in their possession for any reason. If a student uses another student's files, both students are considered guilty of cheating. If caught cheating, the students will get a "0" on the assignment. If a second incidence occurs, both students will be given a final grade of "F" for the course.
- * While this is an online course, the student will be required to communicate with the instructor and complete course work on a weekly basis. Students are expected to read announcements posted on Blackboard and check their MyLamar e-mail account on a regular basis.

Software Requirements:

- * If you are in an online course that requires a specific software, you also MUST have a copy of the software available either on your own computer or you must make arrangements to use the open lab provided on campus. Do not sign up to take an online course if you do not have the correct software.
- * Reliable Internet access is required for all online courses and many traditional courses.
- * Computer failure and lack of internet access are Not acceptable excuses for missed assignments, projects, quizzes, or exams. DO NOT wait until the "last minute" to complete class work or exams.

E-Mail/Voice Mail Etiquette:

Students must use appropriate e-mail etiquette when corresponding with instructor; for example, complete sentences and a full subject line with your name/course name. Voice mail messages should be clearly spoken identifying student's name, course, and any return phone number.

Attendance Policy	* Poor attendance is a leading reason for termination from a job in all areas of employment. With this factor in mind, the instructor monitors student attendance daily. In addition, attendance on a regular basis is necessary for proper skill development. A tardy is an absence for attendance purposes. 4 absences = one letter grade drop 6 absences = two letter grade drop 8 absences = automatic failure of class * Quizzes may be given at the beginning of the class period. Students coming in to class late will not be allowed to take quizzes already turned in. A grade of zero will be recorded for the quiz. * Assignments are due at the beginning of each class; student assignments coming in late will be assessed a penalty, even if the student arrives to class late and turns in work. * Students are responsible for completing all assigned homework, including reading assignments, by the required due dates and for being prepared for each class meeting. This applies even if you were absent from the previous class meeting.
Additional Information	None

Institutional Policies	
MyLSCPA	Be sure to check your campus email and Course Homepage using MyLSCPA campus web portal. You can also access your grades, transcripts, academic advisors, degree progress, and other services through MyLSCPA .
Academic Honesty	Academic honesty is expected from all students, and dishonesty in any form will not be tolerated. Please consult the LSCPA policies (Academic Dishonesty section in the Student Handbook) for consequences of academic dishonesty.
ADA Considerations	The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Coordinator , Room 117, in the Student Sucess Center. The phone number is (409) 984-6241.
COVID 19 Information	The Lamar State College Port Arthur (LSCPA) Student Code of Conduct COVID 19 Policy requires students who have been diagnosed with COVID 19 to report their condition directly to their local health department. Students should also contact their course faculty to report their quarantine status. In addition, this policy requires all students to wear face coverings when directly exposed to COVID 19 in compliance with the criteria included in the policy. For more information please refer to the COVID 19 link on the LSCPA website.
Facility Policies	No food or tobacco products are allowed in the classroom. Only students enrolled in the course are allowed in the classroom, except by special instructor permission. Use of electronic devices is prohibited.
HB 2504	This syllabus is part of LSCPA's efforts to comply with Texas House Bill 2504.
Mandatory Reporting of Child Abuse and Neglect	As per Texas law and LSCPA policy, all LSCPA employees, including faculty, are required to report allegations or disclosures of child abuse or neglect to the designated authorities, which may include a local or state law enforcement agency or the Texas

Department of Family Protective Services. For more information about mandatory reporting requirements, see [LSCPA's Policy and Procedure Manual](#).

Title IX and Sexual Misconduct

LSCPA is committed to establishing and maintaining an environment that is free from all forms of sex discrimination, including sexual harassment, sexual violence, and other forms of sexual misconduct. All LSCPA employees, including faculty, have the responsibility to report disclosures of sexual misconduct, including sexual harassment, sexual assault (including rape and acquaintance rape), domestic violence, dating violence, relationship violence, or stalking, to LSCPA's Title IX Coordinator, whose role is to coordinate the college's response to sexual misconduct. For more information about Title IX protections, faculty reporting responsibilities, options for confidential reporting, and the resources available for support visit [LSCPA's Title IX website](#).

Clery Act Crime Reporting

For more information about the Clery Act and crime reporting, see the [Annual Security & Fire Safety Report](#) and the [Campus Security website](#).

Grievance / Complaint / Concern

If you have a grievance, complaint, or concern about this course that has not been resolved through discussion with the Instructor, please consult the Department Chair.

Department Information

Business and Industrial Technology

Chair: [Sheila Guillot](#)
Email: guillsr@lamarpa.edu
Phone: (409) 984-6381