

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF PHYSICS

CRN:	11150	
Course Title:	PHYS 2230, Thermal and Fluid Physics	
Credit Hrs:	2	
Term:	Fall 2018	
Course Meetings & Location:	MW 11:00 - 11:50 am, UGLC 216	
Prerequisite Courses:	PHYS 2420	
Instructor:	Enrique Ramirez-Homs	
Office Location:	PSCI 121E	
Contact Info:		Phone #: 915-747-5390 E-mail: eramirez19@utep.edu Fax #: 915-747-5447 Emergency Contact #: 915-747-5715
Office Hrs:	MW 10:00-10:50 am, or through appointment	
Textbook(s), Materials:	Required:	University Physics, Young and Freedman, 14th Edition Online study tool: MasteringPhysics <u>TFRAMIREZF18</u> (Homework is assigned and graded in MasteringPhysics. All students are required to have access to MasteringPhysics.)
Course Objectives (Learning Outcomes):	Develop an understanding of macroscopic properties of fluids. Attain knowledge of thermal physics. The topics covered include pressure, Bernoulli's equation, temperature and heat, the first and second laws of thermodynamics.	
Course Activities/Assignments:	Course activities include reading assignments, lectures, homework, three regular exams, and a comprehensive final exam.	
Assessment of Objectives:	Outcomes will be measured by homework, quizzes, and exams.	
Grading Policy:	Grades will be calculated using the following weights: Homework 30%; Quizzes 10%; Exams 45%; Final Exam 15%	
Make-up Policy:	No credit will be given to missed homework. Attendance at exam is mandatory. Make-up exams will be given only in extraordinary cases of illness or emergencies. In all cases, documentation will be required. Documentation must be verifiable. Contact information must be provided and when the appropriate individual is contacted, they will need to be able to corroborate the absence. If the documentation cannot be verified, the case will be turned over to the Dean of Students as being suspected of Academic Dishonesty.	
Attendance Policy:	Attendance in class is the responsibility of the students. If class is missed, you are responsible for obtaining the notes from another student.	
Academic Integrity Policy:	Acts of academic dishonesty will not be tolerated in this class. If an instructor suspects a student of cheating, he/she is to collect evidence that he/she believes indicates this (e.g. exams, student work, etc).	

	<p>This evidence is then turned over to the Assistant Vice President for Student Affairs (VPSA). The student will receive an incomplete on whatever piece of work is under consideration. No other actions will be taken by the instructor until the case is closed: no discussion, no accusation, and no different treatment. The student is encouraged to continue participating in the class. The VPSA will consider the evidence provided her and then contact the accused student (and possibly peers) and investigate the allegations. She will then make a decision as to whether cheating occurred and determine what the consequences will be. The instructor will be consulted by the VPSA as to whether the results of the investigation are acceptable to him/her. If acceptable, the instructor will simply carry out the consequences sent to both the student in question and the instructor in a formal letter from Student Affairs. While the seriousness of the identified dishonest actions determines the nature of the consequences, possible consequences include: a counted “zero” on the piece of work, a letter grade reduction, or being placed on academic probation. Students have the right to appeal a decision and participate in a formal public hearing.</p>
Civility Statement:	<p>This course requires positive behaviors: Be on time and be focused on your work. Please do not distract yourself or others with telephones, other electronic devices, or music.</p>
Disability Statement:	<p>If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.</p>
Military Statement:	<p>If you are a military student with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact me as soon as it appears that your service will interfere with this course. The instructor will work with you to ensure that your service will not adversely affect your academic progress.</p>
Course Schedule:	<p>Tentative timeline and topics: May change with class activity Chapter 12: Fluid Mechanics 3 weeks Chapter 17: Temperature and Heat 3 weeks Chapter 18: Thermal Properties of Matter 3 weeks Chapter 19: The First Law of Thermodynamics 3 weeks Chapter 20: The Second Law of Thermodynamics 3 weeks Exam 1: Wednesday October 3rd Exam 2: Wednesday October 24th Exam 3: Wednesday November 21st Final: Friday December 14th 10:00 am – 12:45 pm</p>