

PHYS 3331 CRN 23107 Spring 2018- Syllabus

Prerequisite Courses: PHYS
2421,
MATH
2313

Instructor: Rajendra
Zope

Office Location: PSCI 116

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Office Hrs: W 12:00
– 1:00
pm; Or
through
appointme
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Course Activities/Assignments:	The grades will be determined from two midterm tests, final and quizzes. Home-works will be assigned. Quizzes will be held regularly every week. No repeat tests, no makeup tests or quizzes.
Assessment of Course Objectives:	Assessments will be based on quizzes, homeworks and tests.
Grading Policy:	Grades will be determined from three tests: two midterms and final (60%), quizzes (20%) and homework (20%). (About 10% adjustments in weights may be done.)
Make-up Policy:	No makeup tests or quizzes.
Attendance Policy:	None.
Academic Integrity Policy:	See http://academics.utep.edu/Default.aspx?tabid=23785
Civility Statement:	No cell phone, no chatting with classmates , active participation in class activity.
Disability Statement:	If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at <dss@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

Military Statement: If you are a military student with the potential of being called to military service and/or training during the course of the semester, please contact me within the first two weeks of class to arrange in advance for makeup exams, etc.

Course Schedule:	General Timeline:	Weeks
	Binary systems and Gaussian distribution	: 1-3
	Entropy, and temperature, laws of thermodynamics	: 4,5
	Thermodynamic potentials, ideal gas, special processes	: 6,7
	Heat and work, engines	: 8
	Chemical potential, Gibbs free energy, chemical reactions	: 9,10
	Boltzmann's distribution, partition function	: 11
	Kinetic theory	: 12
	Fermi and Bose gases, thermal radiation	: 13-15
	Three midterms :	
	Midterm I	: Feb XX
	Midterm II	: Mar XX
	Midterm III	: Apr XX
	Final :	: According to the exam schedule.