## PHY202(lecture) ElementaryCollegePhysicsII

DillardUniversity-Spring2003

MeetingTimes: STERN112 MWF 2:00p - 2:50p Inaddition, youmust beregistered for alaborator vsection. Officehours: E-mail: rsalgado@dillard.edu Instructor: **RobSalgado** STERN307A M W 11:00a-12:00p Stern307A Office: instant-messengers: AOL, MSN, Yahoo: 5:00p- 6:00p F 11:00a- 2:00p dillardphysics(do *not*emailhere) (504) - 816 - 4510Voice: LEARNINGCENTER t.b.a. ordropbymyofficeormakeanappointmentby email. CatalogDescription: PHY202ElementaryCollegePhysicsII.(4credits) Continuation of PHY 201. Study of electricity, magnetism, geometrical optics and modern physics. Class meets three hours per week for lecture and two hours per week for laboratory. [Prerequisite: Mathematics 122 or proficiency.] Textbook: CollegePhysics(4thedition)byJerryWilsonandA nthonyBuffa (Prentice-Hall:ISBN:0-13-082444-5(4thedition) ElectronicMaterials:Thetextbookhasausefulweb site: http://cwx.prenhall.com/bookbind/pubbooks/wilson/ Iwillmaintainawebpagethatliststheassignedp roblemsandsolutions:(temporarilyat) http://physics.syr.edu/~salgado/202/ Homework: Homeworkwillbeassignedbutwillnotbecollected .Wewilldiscuss the homework in class. Examandq uizproblemsaregenerally textbookexamples.Mostofthelearningyoudoint basedonhomeworkproblems,textbookproblems,and hisclassisdonebydoing homeworkproblemsoutsideofclass!Youareencoura gedtoworkonthehomeworkwithotherstudents.Ho wever, besure that you can dotheproblems *byyourself* sinceyou'llbeworkingonquizzesandexams byyourself. If you need help with your homework, please visit me(withyourtextbookandyournotebookandwithp roofthatyouhavetriedtheproblems)duringOffic eHours...thesoonerthebetter. ClassroomRules: CometoclassONTIME. (Tardiness will be earn a penalty.) AttendanceisREQUIRED, inaccordance with Universi tyregulations(page17): "Unexcused absences in any course shall be limited to the number of semester hours of credit given to the course." ... "A student incurring an excessive number of absences may be dropped from the roster." ... "The course instructor will record as two unexcused absences those absences that occur on the day immediately preceding or following an official holiday recess." Notethatyourattendanceisrecordedontheoffici almidtermandfinalgradesheets Academicdishonestywillnotbetolerated, inaccor dancewithUniversityregulations(page18). Cometo class PREPARED, having reador written anyassignments. LimitalldiscussionstothePHYSICStopicunderdi scussion. uptivedevices. (Disruptiveness will be earn a penalty.) TurnOFFallphones, pagers, radios, and other disr TreateachotherwithRESPECT. Grades: 20% REGULARQUIZZES (FORMAT: conceptual multiple-choice questions, a short problem, and a vocabulary definition for the next chapter) 30% REGULAREXAMS (FORMAT: many conceptual and computational multiple-choice questions, one or two short problems) 20% MIDTERMEXAM (FORMAT: like a regular exam but cumulative) 30% FINALEXAM (FORMAT: like two regular exams but cumulative)  $A \ge 88, B \ge 76, C \ge 64, D \ge 50, F < 50$ . This classis not graded on a curve. Borderlinecases(betweentwolettergrades):Ifyo urexamsshowanupwardtrend, yourgrademaybenu dgedupwards. ExamsandQuizzes:QUIZZESaregenerallygivenate ndofeachchapter. They will be ginat the start of theclassperiodandwillendpromptly [No makeups or extensions. This will be strictly enforced. Be on time.] Aftereverytwoorthreechapters, we aftertenminutesofthatperiod. willhaveanEXAMonthesechapters.Thereisacum ulativeone-hourMIDTERMandacumulativetwo-hour FINAL. Missedexamsandquizzes: There are **no** makeup exams or quizzes. There are **no** exceptions. If you are absent for an examorquiz, you must pre sentanofficialwrittenexcusetome. **Onlyif** thatexcuseisvalid, your next scheduledexamorquizwillcarrytheweightofyou rmissedexamorquiz.Otherwise, youwillgetnoc reditforthemissedexamorquiz. Datesyoushouldbeawareof: MartinLutherKingJr.day:Monday,Jan20 MardiGrasbreak:Monday,Mar3-Wednesday,Mar5 SpringBreak:Monday,Mar24-Friday,Mar28 GoodFriday:Friday,Apr18 LastDayofClasses:Wednesday,Apr30 [the final is only given on the date and time assigned by the University --- do not make early travel plans] ExamPeriod:Friday,May1-ThursdayMay8 SequenceofPHY202topics:



Ch9SolidsandFluids(9.1-9.4,skip9.5)

## Ch10Temperature(10.1-10.4, skip10.5-10.6)

Ch11Heat

Ch12Thermodynamics

Ch13VibrationsandWaves

\*Ch14Sound

Ch15ElectricCharge,Forces,andFields

Ch16ElectricPotential,Energy,andCapacitance

Ch17ElectricCurrentandResistance

Ch18BasicElectricCircuits

Ch19Magnetism

Ch20ElectromagneticInduction

\*Ch22GeometricOptics

\*Ch23MirrorsandLenses

(\*timepermitting)