

PHY209

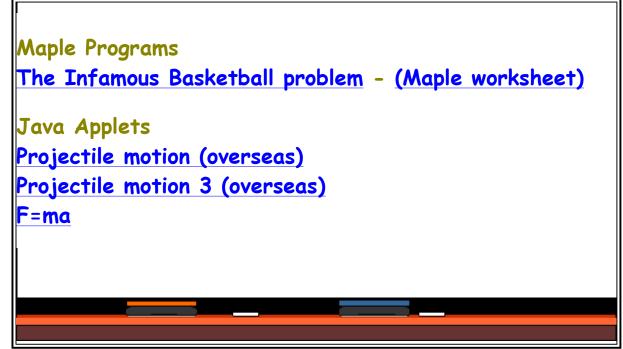
SpaceandTimeinElementaryPhysics

Summer1998

MTWTh8:00am-9:30am PhysicsBuildingB129E

Instructors:

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theSummer98coursesyllabus theFall95coursesyllabus

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PHY209

Summer1998Syllabus

•	WEEK1
	Falling(TheProjectile)
•	WEEKS2and3
	Beingpushedandpulled(TheIncline)
•	WEEK4
	Oscillating(TheMassonaSpring)
•	WEEK5
	Standing(TheHangingSign)
•	WEEK6
	Beingpushedandpulledbyinvisiblethings(TheEl ectromagnetic
	Field)

Meetings

• MEETINGS: M,T,W,Thfrom8:00amto9:30am PhysicsBuildingroom106 Onoccasion.wewillmeetinthe Archbold211computercluster .Thiswillbe

announcedaheadoftime.

GoalsandMethods

• Thiscourseisintendedtoprepareyouforthecalc ulus-basedGeneralPhysics(PHY 211/212) sequence.

Thegoalistohelpyou

developyourphysicalintuitionandyourproblem-so lvingskills throughaguided-studyofsomebasicphysicalsyste ms.

- Eachweek, using hands-on physical demonstrations, we will focus on one type of physicalsystem.
- Youwillbeencouragedto interactkinesthetically with(thatis, "playwith"," getafeel for")theapparatus.

Wewill **poseproblems** forourselvesandworktogetherinagroup-effort **andexecuteaplantowardsthesolution.**

to formulate

Grading

• PARTICIPATION: 20% of yourgrade.

Youwillbepartofasmallteamofstudents.Youw illbeexpectedto worktogetherto discuss (butnotliterallycopy) yourassignedproblems.Attendanceisrequired.

- NOTEBOOK: 50% of yourgrade.
 Youwillresponsible for maintaining aneat, organized and complete notebook
 containing all class work and homework. The senotebo okswill be submitted for a grade
 on a weekly basis. Late submissions will be penalized.
- QUIZZES: 30%ofyourgrade. Onceaweek,youwilltakea short10-minutequiz thatwillbebasedonclasswork andhomework.Youmaydroponequizscore.Therear enomakeupquizzes. Absencescountaszero.

ClassMaterials

- Penand/orPencil
- LargeNotebook (seeabove)
- Thereis notextbook forthecourse.
- Calculator
- **SUnixaccount** (required; sothatyouhaveaccesstothecomputer clusters)
- computerdiskette (optional;sothatyoucansave Mapleprogramsthatwewillwrite)

Checkthe <u>PHY209homepage</u>regularly forannouncements.

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Lastmodified:MonJun2214:12:131998