Faculty of Science - Course Outline

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NB: Some of hi informa ion i a ailable on he UNSW Handbook[1]

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:22.) 08! @%'A508B0C! D(0(0E.,2,+02!'(!1'F (0E.,2,+02!!	Assumed Kno ledge : HSC Ph sics and Mathematics E tension 1 or equi alent. If ou ha e not reached this le el of ph sics and mathematics ou ma ish to take PHYS1111 Fundamentals of Ph sics before enrolling in this course.
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K(*8,%B!	This course ill use SY grading
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Lectures	In lectures ou ill be introduced to ne material, sho n demonstrations and e amples of ho to sol e problems. You ill then make use of this to sol e rele ant problems. You can choose bet een four online as nchronous (eb stream) lectures each eek or four hours of s nchronous online lectures.
OTH classes	You enrol in either a t o-hour face-to-face session that takes place most eeks or a one-hour online session. In these sessions, ou ill practice sol ing problems and ha e the opportunit

	four questions in each qui , based on the lecture material co ered the pre ious eek. You ill also ha e qui es during eeks 7 and 10 pulled from this same question bank.

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	Describe different heat transfer mechanisms and calculate the amount of heat transferred in different processes. Identif ph sical s stems that can be understood using models of simple harmonic oscillation and rite do n equations to describe this motion. Write do n and sol e equations describing a e motion, and use these equations to e□plain ph sical phenomena such as (but not limited to) standing a es and interference. Recognise that ph sics is an e□perimental science, plan and conduct e□periments and anal se the outcomes, and include reliable estimates of uncertainties in measurements.
Rela ion hip o O he Co e i hin he P og am	PHYS1121 is a pre requisite for PHYS1221, Ph sics 1B. Students need to score at least 65 in PHYS1121 to enroll in PHYS1231, Higher Ph sics 1B. Due to SY grading this terms fle□ibilit ill be sho ith this requirement. If ou do need PHYS1231 ou should enroll in PHYS1131.

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7. Additional Resources and Support

Text Books	H , D., , ., & , J. (2018). F P , J & . 11E AN N : B . M . A , : :// . . . / / - - -11 - - - - /
Course Manual	L M . I - - .

9. Course Evaluation and Development

10. Administration Matters

Expectations of Students	T e e a a a de e d 150 a c e a e a f c e. Rec e ded a ca f e a e ed e ab e a e 6-9.
Special consideration	If a de ffe a ad e e a d e a e ab e d a f ec a c de a UNSW, e e e de ce e c a c a a d c ce f ca e. F e a e e ce f ca e eed c e a ea ee da e e a a a ab e. T e UNSW ec a c de a f a ca be f d e e: :// de . .ed .a / ec a-c de a
Laboratory exemptions	I e c c a ce , de a a e e c e ed a d a ed e ab a c e f c e b fa ed c e e e c e. I ca e, de a be e b e f a ab a e e f e a e c e ed e c e e a 3 ea . S de a a b e a e ab a d ec (CC ab) b c e a a ca M d e.
Assessment submission	A b e a e A a a Ea e S a da d T e (AEST, S d e). S de d b e ad a ce f e b dead e a e M d e ca d d e ea a e a e d e e. . . . , ( ).
Occupational Health and Safety[4]	Ma e e f e c ab e ab a e e c e e e c d c e e e c e afe .
Assessment Procedures[5]	T e UNSW a e e c ca be f d e e: :// . . .ed .a / c /d c e /a e e c . df

11. Academic integrity, referencing and plagiarism

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eed de a efe e ce e e e d a e e e e' d , dea e ea c . N efe e c e
e e' ca c e a a .

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Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: