

# Faculty of Science - Course Outline

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NB: Some of this information is available on the [UNSW Handbook](#)<sup>1</sup>

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: 22. ) 08! @%' A508B0! D(0(0E . ,2,+02!' (!1 ' F (0E . ,2,+02!!	Assumed Knowledge : HSC Physics and Mathematics Extension 1 or equivalent. If you have not reached this level of physics and mathematics you may wish to take PHYS1111 Fundamentals of Physics before enrolling in this course.
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K(*8,%B!	This course will use SY grading
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Lectures	In lectures you will be introduced to new material, shown demonstrations and examples of how to solve problems. You will then make use of this to solve relevant problems. You can choose between four online asynchronous (web stream) lectures each week or four hours of synchronous online lectures.
OTH classes	You enrol in either a two-hour face-to-face session that takes place most weeks or a one-hour online session. In these sessions, you will practice solving problems and have the opportunity

	<p>four questions in each quiz, based on the lecture material covered the previous week. You will also have quizzes during weeks 7 and 10 pulled from this same question bank.</p>
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	<p>Describe different heat transfer mechanisms and calculate the amount of heat transferred in different processes.</p> <p>Identify physical systems that can be understood using models of simple harmonic oscillation and write down equations to describe this motion.</p> <p>Write down and solve equations describing wave motion, and use these equations to explain physical phenomena such as (but not limited to) standing waves and interference.</p> <p>Recognise that physics is an experimental science, plan and conduct experiments and analyse the outcomes, and include reliable estimates of uncertainties in measurements.</p>
<p>Relationship of the Course in the Program</p>	<p>PHYS1121 is a pre requisite for PHYS1221, Physics 1B. Students need to score at least 65 in PHYS1121 to enroll in PHYS1231, Higher Physics 1B. Due to SY grading this terms flexibility will be shown with this requirement. If you do need PHYS1231 you should enroll in PHYS1131.</p>



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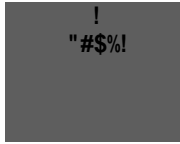






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## 7. Additional Resources and Support

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

## 9. Course Evaluation and Development

## 10. Administration Matters

<b>Expectations of Students</b>	<p>The a 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  a b e a e 6-9.</p>
<b>Special consideration</b>	<p>If a de ffe a ad e e a d e a e ab e d a  f eca c de a UNSW, e e e de ce e  ca c a a d c ce fca e. F e a e e ce fca e eed  c e a ea eeda e e a a a a b e.   The UNSW eca c de a f a ca bef d e e:  :// de . .ed .a / eca-c de a</p>
<b>Laboratory exemptions</b>	<p>I e c c a ce , de a a e e c eed a d a ed e  a b a c e f c e b fa ed c ee ec e. I ca e,  de a bee bef a ab a ee f e a ec eed ec e  e a 3 ea . S de a a b e a e ab a dec (CC ab  ) b c e a a ca M de.</p>
<b>Assessment submission</b>	<p>A b e a e A a a Ea e Sa da d T e (AEST, S d e ).  S de d b e ad a ce f e b dead ea e M d e ca  d d e ea a e a ed e e.   , ( ).</p>
<b>Occupational Health and Safety<sup>4</sup></b>	<p>Ma e e f e c ab e ab a e e c e e e  c d c ee ec e afe .</p>
<b>Assessment Procedures<sup>5</sup></b>	<p>The UNSW a e e c ca bef d e e:  :// . . .ed .a / c /d c e /a e e c . df</p>

## 11. Academic integrity, referencing and plagiarism

academic integrity is a fundamental value in higher education. It is the commitment to honesty, fairness, and the highest standards of scholarship. Academic integrity is essential for the credibility of the university and the success of its students. It is a cornerstone of the academic community and is necessary for the advancement of knowledge and the development of the next generation of leaders.

For more information, please visit the [Academic Integrity website](#).

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