

PHYS 101 – 20S1

ENGINEERING PHYSICS A: MECHANICS, WAVES AND THERMAL PHYSICS

COURSE OUTLINE UPDATES

This document identifies updates to the course outline associated with the movement of the PHYS101 – 20S1 course to online only delivery due to the COVID-19 pandemic.

COURSE INFORMATION AND QUERIES

Your first reference for all matters related to PHYS101 should now be the course outline and this document. This document is available on LEARN and the Course Information System and will be updated as information becomes available. You should also examine the discussion forums on the course web pages and ask general questions in those forums.

Any queries about information not covered in this document or the course outline should be directed to the email address below, please email only that address as this helps to ensure that your questions are answered by the appropriate person. You should make the subject line of your email informative enough so that the issue you have can be identified from that subject line.

EMAIL: physics101@canterbury.ac.nz

LECTURES

All lectures in term 2 will be delivered online using the ECHO360 system. Pre-recorded lectures will generally be released on Monday, Tuesday and Friday (the days identified in the UC timetable on the Course Information System) unless specified otherwise. *Note that there will be an additional lecture made available on Wednesdays in the first two weeks of the new term.* Our hope is that you will watch these videos on the days that they are released if your circumstances allow, to encourage keeping to this routine there will continue to be regular pre-lecture electronic quiz question to complete.

TUTORIALS IN TERM 2

Tutorials will not be run in Term 2 via ZOOM or via other online means. To ensure that you still get an opportunity to practice problems and to obtain feedback, you will be asked to complete ‘honest attempts’ of all questions that would have been set. Your tutors will then provide written feedback on your attempts. Demonstration videos that go through each problem set will also be created for online viewing.

LABORATORIES

To ensure that laboratory related learning objectives are met we will require you to complete a data analysis laboratory assessment which will use data previously collected from one of the PHYS101 laboratories that you would have completed in Term 2.

DROP-IN CLASSES

To supplement lectures and allow you to have lecture material clarified and examples completed, we also run a ZOOM Drop-in webinar in place of the standard optional Drop-in classes that occurred in Term 1.

TERM TEST B

The second term test in PHYS101-20S1 will remain a one hour long test worth 10% of the course grade. But, will have a multi-choice format that will be completed via the LEARN test system.

FINAL EXAMINATION

The final examination will now be a two-hour online multichoice exam: date/time to be advised. This will count 50% toward your final mark in the course. It will still test your grasp of the lectures, problems completed in tutorials, and reading material. Previous year's exam papers will still be relevant and are downloadable from the library website and available on LEARN.

UPDATED CREDIT FOR ASSESSMENT ITEMS

ASSESSMENT ITEM	ORIGINAL CREDIT	UPDATED CREDIT	UPDATED CREDIT CRITERIA FOR TERM 2
Prior to class electronic tests	5% (30 out of 36 for full marks)	NO CHANGE	
Tutorial	10% Marks for <i>active</i> participation in class and an 'honest attempt' at two of the assigned questions before the session. Maximum grade can be achieved for participation in 10 out of the 11 sessions.	15% (Marks in Term 1 will be awarded as previously identified, but reweighted to account for the smaller total number of tutorials. Marks for Term 2 tutorials will be awarded for completion of 'honest attempts' of all the assigned questions.	Reweighting of the credit reflects the greater effort required to complete ALL questions as 'honest attempts'
Term Tests	20% Test A in Week 4 (Monday 11 th March) Test B in Week 8 (Monday 29 th April)	20% Test A and Test B will still be worth 10% each. Test B will now occur on Wednesday 6 th May using the LEARN multichoice testing system.	Term Test B will still be worth 10% credit.
Laboratory	15% total (5% lab book checkpoint marking; 10% Two laboratory reports assessment grade based on your highest marked attempt.)	10% total (2% for in lab work already completed; 5% for formal report; 3% for new data analysis laboratory)	Given the difficulty in completing lab tasks in an online format, we have decided to reduce the weighting of the Laboratory component, while still ensuring that learning objectives are completed.
Final Examination	50% Final examination three hours.	50% Final examination will now be a two hour multi-choice online exam.	Date and start time to be available via Exam timetabling soon.