

Thermal Physics

PHY B52 - Winter 2019

Lecture	Tuesday	1:00 pm - 3:00 pm	BV 260
TUT 01	Thursday	2:00 pm - 4:00 pm	MW 130
TUT 02	Wednesday	3:00 pm - 5:00 pm	AC 332

"A theory is the more impressive the greater the simplicity of its premises, the more different kinds of things it relates, and the more extended its area of applicability. Therefore the deep impression that classical thermodynamics made upon me. It is the only physical theory of universal content which I am convinced will never be overthrown, within the framework of applicability of its basic concepts."

Albert Einstein

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Office Hours

Wednesday	12:30 pm - 2:30 pm	5:15 pm - 6:15 pm
Thursday	9:30 am - 11:30 am	5:15 pm - 6:15 pm

Course Description and Requirements

The course will start with the idea of thermal equilibrium; an extension to the concepts of energy, heat, and work; and the definitions of temperature and entropy. We will

...duction to the statistical concepts which underlie macroscopic phenomena, and the connection between the microscopic and macroscopic pictures, using

By the end of the course you will be able to:

Identify and define the basic vocabulary used in Thermodynamics.

Required Materials

Textbook: *An Introduction to Thermal Physics* by Daniel V. Schroeder (Pearson 2000)

Class Policies

e-mail Communication

If you want to ask a question via email, please first check the various threads in the Discussions section of the course website. Quite likely, you are not the only person with that same question, and if that question has already been asked, you will find the answer there. If the question has not been asked, go ahead and post it yourself instead of sending it by email. This way you will also help other students facing the same issue. These discussions are monitored regularly by the course instructor and your peers, making it the best way of communicating for various queries of a diverse nature.

However, if these electronic forums are not the best place for your query, make sure you send your email from an official utoronto.ca

Class Schedule

This schedule is *tentative* and might change during the term in order to accommodate for variations in the lectures in response to performance and feedback from the students.

Some topics might be removed and others added to adjust for va