

3306 physics lectures, Spring 2026

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https://www.physics.smu.edu/saptarnab/PH3306_Spring_2026/

Based on Simon Dalley's lectures delivered in spring 2025



WARM UP 7: Temperature, Heat, Thermal Expansion (Halliday 18.1-18.4)

Write your answers in the space following the warm-up question if you can. Write as if you are explaining to a fellow student. If you need more space, you are probably over-thinking things.

Explain what the informal version of the 0th law of thermodynamics means.

Describe the microscopic changes that occur which bring two bodies into thermal equilibrium.

How many Joules is 1 Calorie (large C, used for foods typically)?

Describe the microscopic changes that occur during a change of phase of a substance.