

Thermal Physics – PHY252

Prof R.S. Orr : MP801A (orr@physics.utoronto.ca)

Official Description

The quantum statistical basis of macroscopic systems; definition of entropy in terms of the number of accessible states of a many particle system leading to simple expressions for absolute temperature, the canonical distribution, and the laws of thermodynamics. Specific effects of quantum statistics at high densities and low temperatures.

Look at “Course Homepage” for notes.

<https://hep.physics.utoronto.ca/~orr/wwwroot/phy252/>

Organizational Details

TA - Tutors :

Imran Alkhatib imran.alkhatib@mail.utoronto.ca

Rainni Chen rainni.chen@mail.utoronto.ca

Class Times : Mondays 1:00 pm – 3:00 pm, Zoom

Wednesday 1:00 pm – 3:00 pm, Zoom

Office Hour: Friday 2:00pm – 3:00pm , Zoom

Tutorial Times:

Mondays 3:00 pm – 4:00 pm, Zoom

Wednesday 3:00 pm – 4:00 pm, Zoom

Class/Tutorial Zoom Link: <https://zoom.us/j/96193697367>

Office Hour Zoom Link: <https://zoom.us/j/98900224202>

Marking Scheme

4 Problem sets–

Out 12th July – Back 21st July – 15%

Out 21st July – Back 28th July – 20%

Out 28th July – Back 4th August – 15%

Out 4th August – Back 16th August – 20%

Final Assessment :

There will be a time limited exam worth 30%