

# 熱統計物理(二) – 11020PHYS326000

## Thermal and Statistical Physics (II)

授課老師：吳國安教授 Email: kuoan.wu@gmail.com

### 課程大綱：

This course is an advanced elective statistical physics course that aims to explore thermal phenomena slightly out of equilibrium, transport properties, phase transitions, etc. It is expected to be a challenging course for junior/senior students, so you are welcome to take this course if you are strongly committed.

上課時間：M3M4W2、教室：R124, Physics Building

課程用書：上課筆記

### 參考書目：

1. “An Introduction to Thermal Physics” by *D. V. Schroeder*
2. “Concepts in Thermal Physics” by Blundell and Blundell (a free electronic version is available online at NTHU library)
3. “Thermodynamics and an Introduction to Thermostatistics” by *H. B. Callen*
4. “Thermal Physics” by *H. Kroemer and C. Kittel*
5. “Statistical Mechanics of Particles” by *M. Kardar*

**Office Hour**: 11:00AM – noon every Wednesday (R620)

演習課: TBD

### 評分方式：

The course grade will be composed of

- Homework Sets (30%). Collaboration on homework set is encouraged, however you must write up your own reasoning independently.
- Exams: A midterm (35%) and a final (35%).

助教: TBD