

Course Schedule of MST Program ,TIGP

Semester: Fall, 2015(104 學年度上學期)

Course(科目): Irreversible Thermodynamics and its Application in spin caloritronics

不可逆熱力學及其應用

Time(時間): 9:10-12:00 Friday

Room(教室): R311,IAMS,AS,中研院原分所 311 室(NTU campus)

NTHU coordinator: 倪其焜 (清大)、張嘉升(台大)、陳賜原(中央)

Course speakers(授課老師): Dah-Yen Yang 楊大衍 Tel : 2366-8239

Core course(必選課), credit(學分): 3

Course No.(科號): TIGP723600(NTHU), PHT051(NCU)

Topics (講題)
Introduction : overview and application
Equilibrium Thermodynamics
Equilibrium Thermodynamics
Linear non-Equilibrium Thermodynamics
Linear non-Equilibrium Thermodynamics
Linear non-Equilibrium Thermodynamics
Non-linear non-Equilibrium Thermodynamics
Equilibrium Statistical Mechanics
Equilibrium Statistical Mechanics
Linear non-Equilibrium Statistical Mechanics
Linear non-Equilibrium Statistical Mechanics
Linear non-Equilibrium Statistical Mechanics
Linear non-Equilibrium Statistical Mechanics
Linear non-Equilibrium Statistical Mechanics
Non-Linear non-Equilibrium Statistical Mechanics
Non-Linear non-Equilibrium Statistical Mechanics
Non-Linear non-Equilibrium Statistical Mechanics
Final Exam (期末考)