

Statistical Mechanics

Schedule

Lectures will be held Tuesday and Thursday in IFT room 3, third floor, at 10:00. Unless otherwise noted, class will be held on the following days:

Tuesday	Thursday
October 6	October 8
October 13	October 15
October 20	October 22
October 27	October 29
November 3	November 5
November 10	November 12
November 17	November 19
November 24	November 26
December 1	December 3
December 8	December 10

Class on December 10 will consist of an exam. Homework will be assigned on Tuesdays and due the following Tuesday.

Grades

Grades will be determined through performance on homework and the exam, with 60% associated with homework and 40% with the exam.

Materials

The course will use a variety of resources, but the principal textbook will be *Statistical Mechanics: Entropy, Order Parameters, and Complexity* by James P Sethna. The book is available for free online at <https://sethna.lassp.cornell.edu/StatMech>, which also contains resources for solving computational exercises.

Software

Some homework exercises will be computational. While they may be completed in any programming language, hints files are available as Python or Mathematica notebooks.

Professor

The professor is Jaron Kent-Dobias, with email jaron.kent-dobias@unesp.br and office 313 on IFT third floor. Office hours will take place Fridays from 13:30 to 15:00 in Jaron's office, subject to change and cancellation.