

Phys 451X: Statistical Physics Syllabus

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Instructor Information

Instructor

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Office Location & Hours

REIC 110, TBD

General Information

Course Description

Physics 451 is a two-credit course that utilizes probability theory and statistics to investigate the behavior of systems made up of large groups of non-interacting classical or quantum particles. These systems include classical examples such as ideal gases and diatomic molecules studied through Boltzmann statistics, as well as quantum systems, like fermions and bosons, which encompass Einstein and Debye solids and blackbody radiation studied through quantum statistics. The course aims to predict
