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## PHYS 362 Statistical Mechanics (3 credits)

Offered by: Physics ([Faculty of Science \(/study/2022-2023/faculties/science\)](/study/2022-2023/faculties/science))

### Overview

Physics : Quantum states and ensemble averages. Fermi-Dirac, Bose-Einstein and Boltzmann distribution functions and their applications.

**Terms: Winter 2023**

Instructors: Liu, Adrian (Winter)

- Winter
- 3 hours lectures
- Prerequisites: [MATH 248 \(/study/2022-2023/courses/math-248\)](/study/2022-2023/courses/math-248) or equivalents, [PHYS 253 \(/study/2022-2023/courses/phys-253\)](/study/2022-2023/courses/phys-253).
- Restriction: Honours students, or permission of the instructor
- Restriction: Not open to students taking or having passed [PHYS 333 \(/study/2022-2023/courses/phys-333\)](/study/2022-2023/courses/phys-333)

*This course may be used as a required or complementary course in the following programs:*

[Bachelor of Engineering \(B.Eng.\) - Minor Physics \(/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-minor-physics\)](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-minor-physics)

[Bachelor of Science \(B.Sc.\) - Honours Mathematics and Physics \(/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-physics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-physics)

[Bachelor of Science \(B.Sc.\) - Honours Physics \(/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics)

[Bachelor of Science \(B.Sc.\) - Honours Physics and Computer Science](#)

<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics-and-computer-science>

[Bachelor of Science \(B.Sc.\) - Minor Statistics](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-statistics)

<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-statistics>



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