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(https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched) for course dates & times.

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PHYS 559 Advanced Statistical Mechanics (3 credits)

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

Overview

Physics: Scattering and structure factors. Review of thermodynamics and statistical mechanics; correlation functions (static); mean field theory; critical phenomena; broken symmetry; fluctuations, roughening.

Terms: Fall 2022

Instructors: Coish, Bill (Fall)

- Fall
- · 3 hours lectures
- · Restriction: U3 Honours students, graduate students, or permission of the instructor

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

Bachelor of Engineering
(B.Eng.) - Minor Physics
(https://www.mcgill.ca/study/20
222023/faculties/engineering/und

ergraduate/programs/bachelor -engineering-beng-minorphysics)

Bachelor of Science (B.Sc.) -Honours Mathematics and Physics

(https://www.mcgill.ca/study/20 22-2023/faculties/science/undergr

aduate/programs/bachelorscience-bsc-honoursmathematics-and-physics)

Bachelor of Science (B.Sc.) -Honours Physics (https://www.mcgill.ca/study/20 22-

2023/faculties/science/undergr aduate/programs/bachelorscience-bsc-honours-physics)

Bachelor of Science (B.Sc.) -Honours Physics and Chemistry (https://www.mcgill.ca/study/20 22-2023/faculties/science/undergr (https://www.mcgill.ca)

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aduate/programs/bachelorscience-bsc-honours-physicsand-chemistry)

Bachelor of Science (B.Sc.) -Minor Statistics (https://www.mcgill.ca/study/20 22-2023/faculties/science/undergr

aduate/programs/bachelorscience-bsc-minor-statistics)

Doctor of Philosophy (Ph.D.)
Quantitative Life Sciences
(https://www.mcgill.ca/study/20
222023/faculties/interfaculty/grad
uate/programs/doctorphilosophy-phd-quantitativelife-sciences)



Visit *Minerva Class Schedule* for **course dates & times**

Class Schedule (https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched