

Syllabus:

Quantum Field Theory II

Lead Instructor: Prof. Guy D. Moore
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Instructor List: Keshav DasGupta, Guy Moore, Sangyong Jeon, Charles Gale,
James Cline, possibly Marc Grisaru

Course Lectures: TR 11:35–12:55
Rutherford 114

Course Book: Peskin and Schroeder, “Quantum Field Theory”

Course webpage: <http://www.physics.mcgill.ca/~guymoore/ph673>

Course Grade: 100% Homework

Intended Syllabus: We will follow Peskin closely, covering chapters 10-12, 15-17, 19-21:

- Renormalization and renormalization group
- Nonabelian gauge theory
- Quantum Chromodynamics
- Spontaneously broken gauge theories

Homeworks will be assigned every 1–2 weeks; there will not be a final.

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