Physics 624 Syllabus

- **Instructor:** Zackaria Chacko

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- **Class meeting times:** MWF, 1:00-1:50PM in PHY 1219.

- **Class web page:**
  http://terpconnect.umd.edu/∼zchacko/Fall14/physics624.html

- **Grading Criteria:** 60% Homework, 20% Midterm, 20% Final

- **Textbook:**
  An Introduction to Quantum Field Theory, by Michael E. Peskin & Daniel V. Schroeder. Be sure to check out errata at:
  http://www.slac.stanford.edu/∼mpeskin/QFT.html

- **Syllabus:** I expect to cover classical field theory, relativistic wave equations, quantization of scalar, fermion and vector fields, perturbation theory using Feyman diagrams, scattering processes in quantum field theories at lowest order and, if time permits, some elements of renormalization.

- **Attendance:** Attendance in lectures is strongly encouraged, but will not count towards the course grade.

- **Office Hours:** By appointment.

- **Academic Integrity**
  The university has approved a code of academic integrity available on the web. The code prohibits students from cheating on exams, plagiarizing papers, submitting the same paper for credit in two courses without authorization, buying papers, submitting fraudulent documents, or forging signatures. The university senate requires that students include the following signed statement on each examination or assignment: I pledge on my honor that I have not given or received any unauthorized assistance on this examination (or assignment). Compliance with the code is administered by a student honor council, which strives to promote a community of trust on the College Park campus. Allegations of academic dishonesty may be reported directly to the honor council (301-314-9154) by any member of the campus community.