

# Physics 842 - Advanced Quantum Mechanics

## Dr. Ian Balitsky, Fall 2017

### 1. Information:

- Office: OCNPS 323
- Phone: 683-5814
- E-mail address: balitsky@jlab.org
- Office hours: Tuesday and Thursday 1-3 p.m.

### 2. Recommended Textbook:

- V. N. Gribov and J. Nyiri, *Quantum Electrodynamics: Gribov Lectures on Theoretical Physics*, Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology (2005), ISBN-13: 978-0521675697

### 3. Reference Textbooks:

- W. Greiner, *Relativistic Quantum Mechanics*
- J.D. Bjorken and S. Drell, *Relativistic Quantum Mechanics*

### 4. Grade (out of 100%):

- Homework: 40%
- Midterm: 20%
- Final (comprehensive): 40%