

UNIVERSITY OF CALIFORNIA, SANTA BARBARA  
Department of Physics

**Physics 221A**

**Quantum Field Theory**

**Fall 2007**

Prof: Joe Polchinski

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Office hours: Kohn 2319, Th 3:30-4:30 (or email/see me after class to set up a time)

TA: Jorge Rocha

Office hours: W 2:00-3:30, F 10:30-12:00, PLC

Course web page: <http://www.kitp.ucsb.edu/~joep/Web221A/221A.html>

**ASSIGNMENT #3**

Due: Friday, Oct. 19, 5pm in TA's mailbox (5th floor Broida). See course web page for late homework policy.

1. Srednicki 7.3
2. Srednicki 8.2
3. Srednicki 8.3
4. Srednicki 8.4 (Similar to 7.3, but for field theory).
5. Srednicki 8.8
6. Srednicki 9.2