

PHYSICS 653, FALL 2007 -- Please fill out!

YOUR NAME: LASSP-PHYS.  BIO/SOFT MATTER   
OT.PHYS.  OT. DEPT.   
THEORY  EXPERIMENT

OFFICE ADDRESS: YEAR: G1  G2  G3  G(>3)  >PhD

e-MAIL \_\_\_\_\_

TAKING THIS COURSE? Yes  Probable  Maybe  May audit

[Letter grade  -- or -- S/U

STATE OF YOUR SOPHISTICATION? (not prerequisites! not all covered in 653!)

|   | Unfamiliar               | Seen before<br>-- it'll<br>come back | I know it,<br>more or less |
|---|--------------------------|--------------------------------------|----------------------------|
|   |                          |                                      |                            |
|   | v                        | v                                    | v                          |
| 1. Critical exponents in mean-field theories<br>.....                   | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/>   |
| 2. The 1-D Ising model (solved)<br>.....                                | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/>   |
| 3. Correlation functions<br>(e.g. Ornstein-Zernike).....                | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/>   |
| 4. The Einstein relation (diffusion)<br>.....                           | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/>   |
| 5. Diagrammatic pert. theories<br>(Greens functions, Feynman diags).... | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/>   |
| 6. Functional or path integrals<br>.....                                | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/>   |

COURSES

I've taken stat mech course  
 P 562  
 similar to P 562 (Which textbook: \_\_\_\_\_)

I've written: (physics) term paper  a thesis   
an "A" exam  a published paper

I'm taking (use "A" = audit, "?"=maybe)  
P 510 lab  P 561 (E&M)  P 682 (comput'l)   
P 635 (Sol.St.I)  P 651 (QFT I)   
Others: \_\_\_\_\_

OFFICE HOUR SCHEDULING (and makeup time, if a class is canceled)

If conflict with class/teaching [for more than half the slot shown]  
=> write "X". if no conflict => write "OK"  
(if you want, if you like the time => write "+"; dislike it, write "-")

|     |      |     |     |     |     |     |
|-----|------|-----|-----|-----|-----|-----|
| Mon | 1-2  | ___ | 2-3 | ___ | 3-4 | ___ |
| Wed | 12-1 | ___ | 1-2 | ___ | 2-3 | ___ |
| Fri | 12-1 | ___ | 1-2 | ___ | 2-3 | ___ |

HOMEWORK DUE DAY prefer Tues  prefer Thurs  (if important, say why)

ON BACK (if you like): what questions do \*you\* have that you hope/wish P653 will answer (or equip you to understand the answer)? I don't mean items from my syllabus list, more like "why is the sky blue" (of course \*that's\* too hard for this course!)