P740.0.tex 01/22/07

Physics 740: Fluid Dynamics, Spring 2007
8:00AM - 8:50AM, MWF, LP 105

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Text: *Fluid Mechanics*, Landau and Lifshitz (Pitaevskii), 2nd edition (paper) ISBN 0-7506-2767-0.

Syllabus: See page 5-6 of **P740.1.tex**

Homework/Exams: There will be weekly HW assignments (some problems will be numerical) and two *out of class* exams (a "midterm" and a final).

Grading: Final grades will be found from the ideal gas law

$$G_F = 0.65 \times G_{HW} + 0.35 \times \left(\sqrt{G_{X_1} + G_{X_2}} \right)^{2PV/Nk_BT}, \qquad (1)$$

where T is the average daily temperature in Reno, NV (Kelvin), $P = 1$ atm and $V/N = 4 \times 10^{-20}$ cm^3/particle.