

Waves on Strings
Interference & Diffraction
Elastic Theory

Partial Differential Eqns
Fourier Analysis
Tensors

First $\frac{2}{3}$ of course

$$\Rightarrow \left(\frac{2}{3}\right) \cdot \left(\frac{100 \text{ point prelim}}{200 \text{ point final}}\right) \approx \frac{1}{3} \text{ of final}$$

often combined problems

Diffusion
Ideal Gases
Heat Engines
Entropy
Boltzmann Distribution
Free Energies

Greens Functions
Probability
Distributions

Thermodynamics & Statistical Mechanics
 $\sim \frac{2}{3}$ of final

Multiple Choice

- Smaller quanta when feasible
- 2-3 short answer

~~...~~

$$t_{\text{prelim}} = 2\frac{1}{2} \text{ hours} = 150 \text{ minutes} \sim 3 t_{\text{prelim}}$$

$$W_{\text{final}} \sim 2 W_{\text{prelim}}$$