

PHYS 123 Exam 2 Topics
Winter 2018

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| Lab Questions, from labs 4, 5, 6 | 16 pts |
| Tutorial Questions, from tutorials 4, 5, 6 | 18 pts |
| Lecture questions: | |
| General light properties (Last part of Ch 30) Colors vs wavelength, polarization Basic reflection and refraction | 14 pts |
| The ray model (Ch 33) Pinholes, lenses, mirrors and images Ray diagrams, computing image distances and sizes Location of observer | 17 pts |
| Interference and diffraction (Ch 34) Multiple slits Thin films Phasors and intensities | 21 pts |
| Fluids (Ch 18) Buoyancy, Archimedes and Pascal Bernoulli's Law | 14 pts |

Note: Lab and tutorial questions add to points for ray model and interference, making the distribution roughly: Ch 30 = 14, Ch 33 = 33, Ch 34 = 39, Ch 18 = 14.