PHYS 1301 IDEAS OF MODERN PHYSICS

- 1. Using the example of a two-dimensional surface, explain how the intrinsic curvature of space can be measured.
- Explain how General Relativity's law of motion objects move along geodesics in curved spacetime - is analogous to Newton's 1st law of motion and how it differs from Newton's 2nd law of motion.
- 3. Give a rough outline of the contents of the universe upwards in size from Planets.
- 4. What is the Hubble Relation and how is it explained in General Relativity?