Lecture 1 : Outline

- Class Overview
- Isotropy and Homogeneity

    - local isotropy implies Hubble like flow
    - isotropy + no privileged observer => homogeneity
        * Both of these are from Peacock

- Definition of Redshift
- Discussion of Hubble's law

    - Hubble's constant; dimensional analysis with H - Hubble time and distance.
    - $H = 100h$

- Units

    - Observationally relevant units : parsecs etc.
    - natural units

- Start discussing the FLRW metric

Reading

(approximate)

I didn't do a full survey of cosmology, but I would recommend reading the introductory chapter of either textbook.