

Scientific Concept of the Survey

Multiple Purpose Imaging Data Base

- automated spectroscopic target selection via color & morphology
- 10^8 galaxy z 's via photometric redshifts, $\Delta z \sim 0.05$
- discovery catalog of 10^6 QSO candidates
- permanent, public, 5-color digital image/photometric archive

Multiple Spectroscopic Scientific Programs

- 10^6 galaxy spectra for LSS & other (e.g., population) studies
- 10^5 QSO spectra, $0 < z < 7$
- 10^5 unusual stellar objects

Imaging and Spectroscopy are Interleaved for the 5–6 yr Survey

- most efficient use of telescope and varying moon/sky
- automated photometric reductions provide rapid target selection
- spectroscopy can in principle occur in the lunation after imaging