

Course Outline

- Jan. 13            BIRTH OF THE SPACE AGE  
                  Early dreams  
                  the space race  
                  the High Frontier
- Jan. 20            A HOUSE IN SPACE                    "Opportunities In Zero-G"  
                  Skylab missions                    NASA color film, 18 min.  
                  living in space  
                  zero-G experiments
- Jan. 27            SPACE SHUTTLE  
                  the space shuttle system  
                  mission profiles  
                  everyday life aboard Shuttle
- Feb. 3            NEAR-EARTH SPACE DEVELOPMENT                    "1985" (building a space  
                  payload modules                    station using the  
                  modularized space stations                    Space Shuttle)  
                  deep-space launches from orbit                    NASA color film, 18 min.
- Feb. 10            GEO-SYNCHRONOUS SPACE MISSIONS  
                  Powersat and Solar Energy Development  
                  weather stations  
                  communications networks
- Feb. 17            MOON BASE  
                  heavy lifters and space tugs  
                  constructing the lunar base  
                  using the lunar base
- Feb. 24            L5 COLONY  
                  building "Island One"  
                  design choices for L5  
                  living and working at L5
- Mar. 3            LARGER SPACE COLONIES  
                  new designs for colonies  
                  mining the asteroids  
                  large power stations for Earth
- Mar. 10            SOLAR SYSTEM SPACE TRAVEL  
                  propulsion systems  
                  a Mars colony...and beyond  
                  planet engineering
- Mar. 15            INTERSTELLAR SPACE TRAVEL  
                  round-trip missions  
                  no-return missions  
                  colonizing the Galaxy