

Course Announcement-Fall '97

“Resources From Space”

**NEEP 602/EMA 601/Geology 376
(cross-listed)**

3 credits

This is a survey course on the use of the enormous resources that exist in Space. These resources range from raw materials for life support and construction of structures in Space as well as providing for safe, clean and economical energy on the Earth. The subjects covered in this course include:



- **Resource Limitations of the Earth-Minerals and Energy**
- **Origin of the Solar System, Inner Planets, and Asteroids**
- **Potential Resources on the Moon, Mars and Asteroids**
- **Extraction Techniques for Resources in Space**
- **Lunar and Mars Base Scenarios**
- **Getting There and Back**
- **Applications of Solar and Fusion Energy**
- **Economic, Legal, and International Implications**
- **Earth, Moon, and Mars-One Environmental System**

The course is structured for seniors or first year graduates in engineering and the physical sciences.

8:50–9:40 MWF

Room 1800 Engineering Hall

Professor H. H. Schmitt, EP (Former Apollo-17 Astronaut)

with assistance from

Prof. G. L. Kulcinski and Dr. J.F. Santarius, EP

Prof. P. E. Brown, Geology

Prof. E. B. Churchwell, Astronomy

Prof. H. E. Thompson, Business

