

MAE 6950

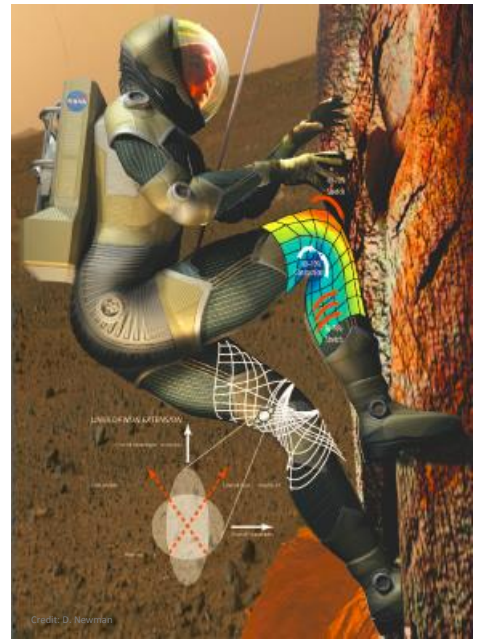
SPACE BIOMEDICAL ENGINEERING AND HUMAN PERFORMANCE

FALL 2015, MW 2:55 – 4:10

Instructor: Dr. Ana Diaz Artilles

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Prerequisite: senior or graduate standing in MAE/BME



HUMAN SPACEFLIGHT

Human spaceflight systems
Current and future technologies
enabling human exploration

HUMAN COMPONENT OF SPACE MISSIONS

Human spaceflight risks
Astronaut training
Physiological deconditioning



AEROSPACE HUMAN FACTORS

Human Performance
Use of automation
Cognitive Psychology