

Earth 351 - *Forming a Habitable Planet* - Fall Quarter 2017
Discovery Missions - Outer Solar System

Region/Body/Mission

Trojan Asteroids: Thurs, 10/19
Ajax - characterize the geology, morphology, geophysical properties,
and chemistry of a Trojan asteroid
Calvin Anderson, Bogdan Anghel, Clark Skillman, Negatwa Tewodros

Europa: Thurs, 10/26
Europa Ocean - study Europa with an orbiter, characterize ocean,
measure ice structure, determine surface activity
Douglas Henry, Bethany Ketchem, Jay Valdillez

Enceladus: Tues, 10/31
ELF - search for life on a habitable moon, fly through
plumes, measure, sample collection
Kevin Eisenstein, Eric Van Camp, Gretchen Vogt

Titan: Tues, 10/31
TiME - Titan Mare Explorer lander to measure organics and explore
an extra-terrestrial sea
Michael Campbell, Colton Colwell, Jamie Easton, Anna Scarborough

Kuiper Belt: Thurs, 11/2
Whipple - exploring the solar system beyond Neptune to discover
the number and sizes of objects in the outer solar system
Wyatt Cook, Mauli Hemani, Sam Remier

Comets: Thurs, 11/2
CoRe - Radar explorer mapping of nucleus of comet Temple 2
to examine composition, properties, surface geology, activity
Reece Elliing, Dajung Geng, Matthew Lees

Paper Draft Due: A week after presentation
Drafts can be submitted for review, allowing for team revision, addition, corrections
in response to comments.

Final Paper Due: Final Class, Tuesday, November 21st