

Class Syllabus for AOSS 501/001: Planetary Magnetospheres Journal Club

Instructor: Prof. James A. Slavin
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Office Hours: By Appointment
Class Hours: Tuesday 12:00 – 1:00 PM
Location: Room 2422 Space Research Building
Organizer: Dr. Weijie Sun

Required Text: *Scientific Journals (e.g. J. Geophys. Res., Planet. Space Sci., Icarus, etc.)*

Goals/Style/Format of Course:

Students will present overviews and critiques of important journal articles on planetary magnetospheres and lead the group discussion. Normally one paper will be presented each week. The goal is to broaden the student's knowledge of magnetospheric physics and hone their critical thinking and presentation skills. Papers dealing with relevant topics in Space Engineering, mission design and particles and fields instrumentation are also encouraged.

Prerequisites

Undergraduate Electromagnetism and classical mechanics is required. Introductory plasma physics and/or fluid mechanics, such as AOSS 574, is recommended, but not required.

Honor Code and Classroom Rules

Please read the UM Honor Code. Copying of assignments, submitting work of others as your own, violating exam rules, and turning in assignments late will not be tolerated. See <http://www.crlt.umich.edu/faculty/honor.php> for the code appropriate for your discipline/college/school.

Grades: Pass/Fail based upon student presentation and participation

E-mail Contact and Office Hours

I will regularly send you course announcements, reading assignments, and articles of interest via email through the CTools Site. Please feel free to email any individual questions you may have directly to me. Office hours by appointment, but drop-ins are encouraged (CSRB 2018). I can be reached at 240-476-8009 or jaslavin@umich.edu