

Advanced Space Science (I)

Course:

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Time: Tuesday (2,3,4)

Room: S4-811

Week	date	Topic
1	09/12	Chapter 0 Space Environment
2	09/19	Space Plasma and Waves
3	09/26	Chapter 1 Sun and Solar Wind
4	10/03	Solar and Solar-Terrestrial Environment
5	10/10	Double 10 Holiday
6	10/17	Chapter 2 Interplanetary Space
7	10/24	Chapter 3 Earth' s Magnetosphere
8	10/31	Terrestrial Magnetosphere
9	11/07	Planetary Magnetosphere
10	11/14	Midterm
11	11/21	Chapter 4 Earth' s Ionosphere
12	11/28	Earth' s Ionosphere
13	12/05	Earth' s Ionosphere
14	12/12	Chapter 5 Earth' s Atmosphere
15	12/19	Chapter 6 Space Environment Probing
16	12/26	Space Environment Probing
17	01/02	New Year Holiday
18	01/09	Final Examine

HomeWork: 30%, Midterm: 30%, Final: 40%

Reference Books:

Ma-Britt Kallenrode, Space Physics, 3rd Ed. Springer, 2004.

M. G. Kivelson, C. T. Russell, Introduction to Space Physics, 1st Ed. Cambridge University Press, 1995.

M. C. Kelley, The Earth' s Ionosphere, 2nd Ed. Elsevier, 2009.