

EP 101 – Current Topics in Space Sciences
Embry-Riddle University
Summer B 2010

Instructor: M. Anthony Reynolds
email: reynodb2@erau.edu
web: <http://faculty.erau.edu/reynolds/ep101>
phone: (386) 226-7752
office: Lehman 313
office hours: MTWTh 10:30-11:30 in Lehman 313

Required text: none; various handouts
Recommended: “*The Exploration of the Earth’s Magnetosphere*”
<http://www-spof.gsfc.nasa.gov/Education/Intro.html>
“*Spaceweather.com*”
<http://spaceweather.com>
“*Astronomy Picture of the Day*”
<http://antwrp.gsfc.nasa.gov/apod/astropix.html>

Required work: Class participation
Reading
Problem sets
Short typed reports

Attendance is mandatory. Your grade will be based on attendance, class participation, and on your written assignments. A short, typed report will be due at the end of each “module.”

Module topics: Introduction to space sciences
Nuclear fusion
The solar wind
The Earth’s magnetosphere
The Earth’s atmosphere

RULES

1. Arrive on time; depart on time.
2. Take notes, and bring calculator to each class.
3. No eating, no cell phones.

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| | M | T | W | Th | F |
|--------|----|----|----|----|---|
| July | | | | 1 | 2 |
| | | 6 | 7 | 8 | 9 |
| | 12 | 13 | 14 | 15 | |
| | 19 | 20 | 21 | 22 | |
| | 26 | 27 | 28 | 29 | |
| August | 2 | 3 | 4 | 5 | |
| | 9 | 10 | 11 | 12 | |

class

presentation

13 - report due