Syllabus--Physics 162--Elementary Astronomy--Fall 2019

Online Course -- Online Astronomy Course

Satisfies general education requirement (Origins and Influences Pathway)

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Office hours by appointment

nicadd.niu.edu/~hedin/162/162O.html

Book: Not required. Suggest Discovering the Essential Universe by Comins editions 4 or 5 or 6. Assignments will be on course web page.

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<th>Section</th>
<th>Book Chapter</th>
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<td>View of Universe and the Sky</td>
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<td>Gravitation and Planet Motion</td>
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<td>Light and Telescopes</td>
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<td>The Sun</td>
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<td>Characteristics of Stars</td>
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<td>The Death of Stars</td>
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<td>Formation of the Solar System</td>
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<td>Astrobiology</td>
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<td>The Galaxies</td>
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Test 1. Sections 1, 2, 3, 4          October 1
Test 2. Sections 5, 6, 7            November 7
Test 3. Sections 8, 9, 10, 11        December 5
Test 4. final all sections (optional) December 10

Class Operations: In a typical week, there will be two "lectures" on the class web page plus some number of videos or links to other pages. You should go through the lectures and check out the links. Each lecture will have a "feedback" where you tell me something you learned from that day's presentation plus the "feedback phrase" mentioned in the presentation. Two weeks of feedbacks (usually 4 feedbacks) are due the Friday of the second week, and you can send in early. There will also be eight assignments which are usually due on the Sunday of the following week after they are assigned, which can also be turned in early. There are three exams plus an optional final (see grading). Example exams are on the web page and are the best guide for studying for the exam.

Communication: You should e-mail me your feedbacks and assignments in some suitable format (e-mail text for feedback is best though docx or pdf is fine, and docx or pdf files for the assignments though some students have sent me a photo of their completed assignment)
or put them in my mailbox in the physics office in FW202. The assignments
are posted on the course web page. Tests will use Blackboard. I will give
the time range, typically about a 28 hour window, for exam taking near
the day of the test. The tests are (obviously) open book and open notes. If
you cannot take the exam that day, contact me before the day of the
exam. If you have questions, e-mail me at hedin@niu.edu. You can also
arrange an office visit if you are on campus. If your question applies to
the entire class, I will then e-mail the reply to everyone.

Grading: Each test will count 100 points and the lowest test score will be
dropped. There will be no makeups allowed after the day of the test; a
missed test will be considered as the lowest score and dropped. You can
choose to skip the final and just count the first three tests. Sample tests
are on the web page. The 8 assignments are usually due the Sunday of the
following week they are assigned (1/2 credit if late). They contribute
160 points. The "lecture feedbacks" will count 4 points per lecture with
100 points total and are due as shown on the web page in blocks of 3
or 4 feedbacks (1/2 credit if late). The last day to turn in
assignments or feedbacks for late credit is the
day of the final. You can always turn in feedbacks and assignments
early, once I have posted them. Any feedback points more than 100 count
as extra credit. There are 560 total points in the class.

Class Curve 430+ A The letter grades posted on Blackboard are
380-429 B meaningless. If you take 4 exams, Blackboard
330-379 C does not drop the lowest exam and so the
280-329 D Blackboard sum of points is incorrect

There will not be any "minus" grades in this class. I will award "plus"
grades (like B+) as appropriate and will determine how to do so at the end
of the term.

The learning goals of this course are an introduction to the components
making up our Universe.

The learning outcome of this course is the student being able to explain
some of the components of the Universe, and include a) analyze issues that
interconnect human life and the natural world and b) utilize technology
to achieve specific goals.

NIU is committed to providing an accessible educational environment and
any student requiring an academic accommodation due to a disability should
let their faculty member know as soon as possible, and are encouraged to
contact the DRC at 815-753-1303 or drc@niu.edu. Please note that you will
not be required to disclose your disability, only your accommodations. The
sooner you let your faculty know your needs, the sooner they can assist
you in achieving your learning goals in this course.
Non-Discriminatory Language: This class will promote non-discriminatory
language practices. Academic Misconduct: For a detailed description of the
university's definition of academic misconduct, and the process by which
it is adjudicated, please refer to the Student Code of Conduct. Sanctions (consequences) for committing academic misconduct include but are not limited to, failure of the assignment, failure of the course, and suspension or expulsion from Northern Illinois University. Cheating and plagiarism of one's own or another's work will not be tolerated. Academic integrity and civility are expected of every member of the NIU community. Please review the Undergraduate Catalog for more information on this topic. Religious Observances: NIU does not observe religious holidays. It is the university's policy, however, to reasonably accommodate the religious observances of individual students in regards to class attendance, scheduling examinations, and work requirements. Religious observance includes all aspects of religious observance and practice as well as belief. Absence from classes or examinations for religious observance does not relieve students from responsibility for any part of the course work required during the period of absence. To request accommodation, students who expect to miss classes, examinations, or other assignments as a consequence of their religious observance shall provide instructors with reasonable notice of the date or dates they will be absent.