

**TEXT:** PATHWAYS TO ASTRONOMY, Third Edition, by Schneider & Arny (McGraw Hill).

**LECTURE:** Saturday 9:00 am – 1:00 pm. **LOCATION:** 718OAK

**LECTURER:** NOPPI WIDJAJA **OFFICE:** TBD

**TELEPHONE:** TBD **E-MAIL:** eb8607@wayne.edu

**OFFICE HOURS:** after class

**LECTURE, READING ASSIGNMENTS and QUIZZES:** Note that in addition to exams, short quizzes will be given at the approximate rate of one per week. Quizzes will be based on lecture material, reading assignments and “Questions & Problems” which are presented at the ends of most sections in the text.

**HOMEWORK:** “Review Questions, Quantitative Problems, and Test Yourself” which are presented at the ends or most sections in the text. They will not be collected or graded, but they might appear in the exams.

**Extra Credit Project:** Students may optionally complete a ten minute in-class presentation, or a 2-3 page paper on the Astronomy topic of their choice, adding up to 10 points to their final grade.

**GRADE DETERMINATION:**

10 weekly quizzes	40% (4% each quiz)
3 mid-term exams	30% (10% each exam)
2 planetarium shows	20% (10% each show)
<u>Final exam</u>	<u>10%</u>
Total	100%

**GRADING SCALE:**

A	95-100
A-	90-94.9
B+	85-89.9
B	80-84.9
B-	75-79.9
C+	70-74.9
C	65-69.9
C-	60-64.9
D+	50-59.9
D	<50

**Note:** There are no make-up exams or exams given early. This policy will be discussed in class.

**Also Note:** Any changes to the above grading scheme will be discussed in class and posted on Blackboard.

**Class Schedule**

The following class schedule is meant to serve as a general guide to the time line at which material will be covered in the course and is subject to revision. Students will be informed of any changes/updates that take place as we move through the semester.

<b>DATE</b>	<b>LECTURE TOPICS</b>	<b>READING ASSIGNMENT</b>
9/1	Syllabus, The Sky, Timekeeping	Unit 1-7
9/8	Solar & Lunar Cycles, History of Astronomy	Unit 8-14
9/15	Mass, Motion, Gravity	Unit 15-21
<b>9/22</b>	Light & Other EM radiation <b>FIRST EXAM (unit 1-21)</b>	Unit 22,23
9/29	Methods of Measuring Light, Telescopes	Unit 24,25,28-32
10/6	Introduction to Solar System, Earth & Moon	Unit 34-40
10/13	The Inner Planets & Asteroids	Unit 41-47
<b>10/20</b>	The Outer Planets & Comets <b>SECOND EXAM (unit 22-47)</b>	Unit 48,49
10/27	The Sun & Other Nearby Stars	Unit 50-56
11/3	Main Sequence, Giant & Variable Stars	Unit 57-63
11/10	White Dwarfs, Neutron Stars & Black Holes	Unit 64-70
<b>11/17</b>	Star Clusters & Galaxies <b>THIRD EXAM (unit 48-70)</b>	Unit 71,72
<b>11/24</b>	<b>Thanksgiving Holiday (University closed)</b>	
12/1	Star Clusters & Galaxies	Unit 73-79
12/8	The Universe, Astrobiology (Last day of class)	Unit 80-86
<b>12/15</b>	<b>FINAL EXAM (unit 71-86)</b>	

**Attention Students with Disabilities: If you have a documented disability that requires accommodations, you will need to register with Student Disability Services (SDS) for coordination of your academic accommodations. The Student Disability Services (SDS) office is located at 1600 David Adamany Undergraduate Library in the Student Academic Success Services department. SDS telephone number is 313-577-1851 or 313-577-3365 (TDD only). Once you have your accommodations in place, I will be glad to meet with you privately during my office hours to discuss your special needs. Student Disability Services' mission is to assist the university in creating an accessible community where students with disabilities have an equal opportunity to fully participate in their educational experience at Wayne State University. Please be aware that a delay in getting SDS accommodation letters for the current semester may hinder the availability or facilitation of those accommodations in a timely manner. Therefore, it is in your best interest to get your accommodation letters as early in the semester as possible.**

### **SDS News:**

Effective Fall semester 2010 Student Disability Services will be implementing a revised alternative testing form when a student schedules classroom exams/quizzes administration at SDS. As before the student and instructor each have a portion to complete. Exams are to be mailed to a new password protected email address: [sdsexams2010@wayne.edu](mailto:sdsexams2010@wayne.edu).