

**TEXT: Astronomy: At Play in the Cosmos** by Adam Frank, published by Norton; available at Barnes and Noble on campus.  
**ISBN: 9780393935226**

**LECTURE:** M W 5:30 – 7:10 p.m.

**LOCATION:** 2009 SCI (Science Hall)

**LECTURER:** J. C. CONN

**OFFICE:** 220 Physics Research Bldg. (666 W. Hancock)

**E-MAIL :** af8229@wayne.edu

**OFFICE HOURS:** 3:30 – 4:30 MW or by arrangement

**LECTURE & READING ASSIGNMENTS:** In order for you to appreciate, learn from, and participate in the discussion of material covered in each lecture, it is recommended that you come to lecture prepared, by having read the related material in your textbook.

**i>CLICKER QUESTIONS:** During class I will frequently pose questions and ask you to answer via the use of i>clickers. The main reasons for doing this are to encourage you to be actively thinking about the material during class, and to give me a feeling for how well you understand the lecture material. To encourage your attendance and participation, answering i>clicker questions will count toward your final grade. You should obtain an i>clicker, specifically an i>clicker 2, as soon as possible. Clickers may be ordered at the Barnes and Noble store, or online. The registration of i>clickers will be discussed in class.

**PLANETARIUM VISITS:** There will be two scheduled planetarium visits during the term.

Schedule for visits will be posted during the term. The WSU planetarium is located on the lower level of Old Main Building.

**PERFORMANCE EVALUATION ( To be discussed )**

3 'hour' exams (lowest score dropped):	40% - Each exam counts for 20%
Final exam:	40%
Attendance/i>Clicker Questions:	10%
Homework: SmartWork5	10%
[Planetarium attendance ( <u>Bonus??</u> ):	2% - Each show counts for 1%]
Total regular credit:	100%

**FINAL GRADES:**

A	$\geq 90$ %
A-	85 - 89
B+	80 - 84
B	75 - 79
B-	70 - 74
C+	65 - 69
C	60 - 64
C-	55 - 59
D+	50 - 54
D	45 - 49
D-	40 - 44
F	$< 40$

**Course Schedule:** Material will be covered at the approximate pace of 1 chapter per week.

**Exams:** There will be three REGULAR/MID-TERM exams and one FINAL exam.

Mid-Term Exams will consist of multiple choice and true/false questions.

The Final Exam will consist of questions of similar type.

Any changes to this format will be discussed in class and posted on Blackboard.

Material covered on each exam will be announced in class and through the Blackboard system.

**Exam Schedule** (Any changes to the exam schedule will be announced in class and posted on Blackboard)

**Exam 1: Feb. 7**

**Exam 2: Mar. 7**

**Exam 3: Apr. 11**

**Final Exam: Wednesday, April 25 (in usual classroom; at usual time)**

**The lowest score of the three regular/mid-term exams will be dropped.**

**There are no make-up exams or exams given early.**

**If you miss two or more exams, your course final grade will automatically be "F" – NO EXCEPTIONS.**

**Astronomy 2010**

**Descriptive Astronomy**

**Winter 2018**

### **Planetarium Visits**

Two visits to the Wayne State University Planetarium will be offered. As the planetarium has a limited number of seats, many presentations of each of the two different shows will be offered, each over a roughly two week period. Date and time of the presentations will be posted on the planetarium website <http://physics.wayne.edu/~planetarium> and on the course website as well. You will be informed of the procedure for signing up and receiving credit for each presentation.

### **Extra Credit for attending Planetarium Shows**

Attendance at the shows may earn extra credit for your score in the course. This will be discussed in class.

### **Note:**

All scores will be posted on Blackboard.  
Final grades will be posted on Pipeline.

**Also Note:** There is a large amount of material presented in this class. Therefore it is strongly recommended that students:

- Not wait until the last minute to prepare for exams;
- Read the chapters in the text book, weekly; stay current;
- Read chapter summaries; try end-of-chapter questions/problems.

### **A Sample of Other Sources of Interest**

#### **Textbooks:**

**Voyages through the Universe, Fraknoi, Morrison and Wolff; Saunders, 2000 Edition; many others (check with me if interested)**

#### **General Books:**

**Nightwatch by Terence Dickinson;**

**Cosmos by Carl Sagan**

#### **Magazines:**

**Sky and Telescope; Astronomy;**

**Internet: The Astronomy Picture of the Day (APOD); The Space Science Institute (Hubble Space Telescope); NASA**

**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 has implemented a revised alternative testing form when a student schedules classroom exams/quizzes for 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).