



UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF PHYSICS AND ASTRONOMY
COURSE OUTLINE

1. Course: ASPH 213, Lec 01, Introduction to Astrophysics

Lecture Sections:

L01: MWF, 12:00-12:50, ST 131

Instructor: Prof. R. Plume

Office: Science B 517

Tel. No. 220-6909

E-mail address: rplume@ucalgary.ca

Office Hours: W 2:30 – 4:30

Course website: http://www.ism.ucalgary.ca/Star_Formation/ASPH213/ASPH213.html

Departmental Office: SB 605, 403-220-5385, phasugrd@ucalgary.ca

2. Prerequisites: PHYS 211 or 221 or 227 or ENGG 202. Not recommended for NON-science majors.

3. Grading: Grading: The University policy on grading and related matters is described sections [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Assignments (5)	35%
Midterm Test 1	15% (Mon, Mar 2nd, in the evening - time TBA)
Lab Assignments (2)	15% (Due Feb 23 rd & April 8 th)
Final Examination	35% (3 hours: To be scheduled by the Registrar)

A grade of 50% or greater on the final exam is necessary to obtain a passing grade in the course.

Percentage to letter grade conversion scale:

> = 95 %	A +	> = 80 %	B +	> = 65 %	C +	> = 50 %	D +
> = 90 %	A	> = 75 %	B	> = 60 %	C	> = 45 %	D
> = 85 %	A -	> = 70 %	B -	> = 55 %	C -	< 45 %	F

4. Missed Components of Term Work: The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.6](#) of the University Calendar

5. Scheduled out-of-class activities: MIDTERM EXAM on Monday, March 2nd in the evening. Exact date and time TBA

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you.

6. Course Materials: “Astronomy: A Physical Perspective” by Kutner

Online Course Components: Course note and materials are available on the course website.

7. Examination Policy All exams will be closed book exams. Formulae sheets will be provided as part of the exam material. Any kind of calculator is allowed (even programmable ones). However, calculator apps on cell phones are not allowed (since all cell phones should be turned off and put away). Students should also read the Calendar, [Section G](#), on Examinations.

11. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties.
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: Students with Disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html> [B.1](#) and Student Accessibility Services: <http://www.ucalgary.ca/access/>.
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPPA). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 220-3911 Email: suvpaca@ucalgary.ca.
SU Faculty Rep. Phone: 220-3913 Email: sciencerep@su.ucalgary.ca; [Student Ombudsman](#)
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) **U.S.R.I.:** At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.

Department Approval _____ Date _____

COURSE SYLLABUS

- Part 1 - Introduction & Coordinate Systems
- Part 2 -The EM Spectrum & Photometric Concepts
- Part 3 -Telescopes & Detectors
- Part 4 - Radiation Mechanisms
- Part 5 -The Sun & Stars
- Part 6 - Celestial Mechanics
- Part 7 - Star Formation & Stellar Evolution

LAB SYLLABUS

There is NO REGULARLY SCHEDULED LAB. The two labs are provided on the course website and are done on the student's own time.