

UNIVERSITY OF CALGARY  
DEPARTMENT OF PHYSICS AND ASTRONOMY  
COURSE INFORMATION SHEET

Course: Astrophysics 403, Stellar Structure & Evolution – Fall 2010

1. Instructor:

Dr. Phil Langill

L01 : TR 12:30 - 13:45 : MS 211

Coordinates: SB 507, 220-5402, [pplangil@ucalgary.ca](mailto:pplangil@ucalgary.ca), Office Hours TBA

Main Physics Office: SB 605, 220-5385 Course Website: <https://blackboard.ucalgary.ca/webapps/login>

2. Prerequisites: ASTR 213 or ASPH 213 and PHYS 325.

Note: The Faculty of Science policy on pre- and co-requisite checking is outlined in the 2010-2011 Calendar. A student may not register in a course unless a grade at least "C-" has been obtained in each pre-requisite course; it is the responsibility of students to ensure that their registrations are in order. See <http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html> for details.

The University policy on grading and related matters is also found in the UofC Calendar. Details can be found at; <http://www.ucalgary.ca/pubs/calendar/current/f.html>

3. Grading: In determining the overall grade in the course the following weights will be used;

Assignments: 30%

Projects: 20%

Midterm Exam: 15%

Final Exam: 35%

There will be a final exam scheduled by the Registrar's Office. A failure on the final exam will normally result in a course grade no higher than a D+.

4. Missed Components of Term Work: The regulations of the Faculty of Science pertaining to this matter are outlined in the UofC Calendar at; <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>  
It is each student's responsibility to familiarize himself or herself with these regulations.

5. Out-of-class-time activities: An important component of this course is an observational laboratory experiment. Trips to the Rothney Astrophysical Observatory will be arranged, from time to time, to collect data. Regularly scheduled classes take precedence over this activity. Students should inform the course instructor about possible conflicts in a timely manner, so that appropriate arrangements can be made.

6. TEXTBOOK: "*Stellar Interiors: Physics Principles, Structure, and Evolution*" 2<sup>nd</sup> Ed., Springer Publishing  
CJ Hansen, SD Kawaler, V Trimble. Springer 2004.

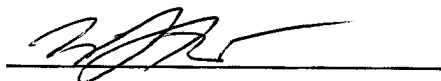
7. Examination Policy: Rules pertaining to the use of calculators, and other devices, during exams will be discussed in lecture. Students are encouraged to read the Calendar, Section G, on Examinations:  
<http://www.ucalgary.ca/pubs/calendar/current/g.html>.

8. Course fees: There are no additional fees required to take Asph 403.

9. Writing across the curriculum: In this course, the quality of the student's writing in laboratory reports will factor in the evaluation of those reports. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

10. Human studies: Students in this course are not expected to participate as subjects or researchers.  
See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

Department Approval:



Date: 2010-09-17

Associate Dean's Approval for  
out of regular class-time activity:



Date: 2010-09-20

## 11. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **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 K. Student Misconduct <http://www.ucalgary.ca/pubs/calendar/current/k.html> 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 at** <http://www.ucalgary.ca/emergencyplan/assemblypoints>.
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:
  - Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>
  - Disability Resource Centre: <http://www.ucalgary.ca/drc>
- (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 will be 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:** [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca).
  - SU Faculty Rep. **Phone:** 220-3913 **Email:** [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca)
  - Website: <http://www.su.ucalgary.ca/home/contact.html>.
  - Student Ombudsman: <http://www.su.ucalgary.ca/services/student-services/student-rights.html>
- (i) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** 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.