

**UNIVERSITY OF CALGARY
DEPARTMENT OF PHYSICS AND ASTRONOMY
COURSE INFORMATION SHEET**

1. Course: **PHYSICS 211/221, Mechanics**

Lecture/Time/Session(s): L20: MW 12:00 - 14:50 pm, ENE 241, Spring 2013
L20: F 14:00 - 15:50 pm, ST145

Instructor and Course Coordinator:

Dr. J. K. Biel

Consultation Hours: Monday/Wednesday after the lecture in ENE 141.

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Blackboard Courses: Phys 211 L20 – (Spring 2013) - Mechanics
Phys 221 L20 – (Spring 2013) - Mechanics

Physics and Astronomy Office: SB 605, **Tel. No.:** 220-5385

2. **Phys 211 Pre-requisite:** Pure Mathematics 30 or Mathematics II (offered by continuing Education). **Note:** Physics 30 is recommended as preparation for Physics 211. Physics 211 is not open to students with 70% or higher in Physics 30 and Pure Mathematics 30 and 60% or higher in Mathematics 31, except with Departmental permission.

Phys 221 Pre-requisite: A grade of 70% or higher in Physics 30; 50% or higher in Mathematics 31; and 70% or higher in Pure Mathematics 30 or a grade of B- or above in Mathematics II (offered by Continuing Education).

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

Labatorials	15.0%
Assignments	15.0%
Two Term Tests	20.0% each
Final Exam	30.0%
Bonuses:	
Diagnostic tests	1.0% maximum bonus

Students who receive a weighted mean mark less than 40% over the two term tests and the Final Examination should not expect to receive a course grade higher than "D+".

Percentage grades will be given for all components of term work and examinations. A weighted course percentage will be calculated for each student after the final exam is written. A table of conversion from final course percentage to final course letter grade has been published under Course Information on the phys 211/221 website.

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: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also: <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.
5. **Textbook:** "*Physics for Scientists and Engineers: A Strategic Approach*", by Randall D. Knight, 3rd Ed., Addison Wesley.
6. **Examination Policy:** Examinations are closed book. Calculators must not have wireless communication. Students are encouraged to read the calendar, Section G, on Examination: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.
7. **Human Studies:** The Department of Physics and Astronomy is conducting research into the effectiveness of our teaching. This research includes evaluating student performance and improvement in phys 211/221; see the information page "Evaluation of Learning Outcomes in Physics 211/221" on Blackboard. See also: <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

Department Approval: _____

Date _____

8. 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>
<http://www.ucalgary.ca/pubs/calendar/current/k-2.html> <http://www.ucalgary.ca/pubs/calendar/current/k-2-5.html>
- (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. Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **FOIP:** This course will be conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIP). 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. Website: <http://www.su.ucalgary.ca/home/contact.html>. **Student Ombudsman:** <http://www.su.ucalgary.ca/services/student-services/student-rights.html>.
- (g) **Internet and Electronic Communication Device Information.** You can assume that in all cases 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 change of misconduct.

JKB/clh

May 13, 2013