

Course Syllabus
Physics 100: Energy
Fall Semester 2014

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WWW: <http://academics.uww.edu/physics/courses/physcs100/index.htm>
Desire2Learn: **The D2L site is linked from the UWW web site (www.uww.edu) and from the class Web site.**
Class Meetings: T R 12:30 p.m. – 1:45 p.m.
Office Hours: M W F 9:40 – 10:30 a.m.; T 2:00 – 4:00 pm. or by appointment.
Exams: Midterms: 10/16 (10/23), 11/18 (11/25); Final: Dec. 18, 1-3 pm.
Papers: 9/25, 12/09,
Text: Required:
Hinrichs and Kleinbach: *Energy: Its Use and the Environment*, 5th ed.

Note: The last day to drop classes is Sept. 16 (no 'W'); Oct. 10 ('W' grade.)

Course Description: An examination of energy: its nature, the forms in which it appears, its transformation, current and future sources, and energy issues faced by an informed electorate.

Required materials: paper, ruler, pencils, and a calculator. Other course materials will be distributed to you as needed during the course.

Recommended materials:

Office: As a student, you can get Microsoft Office ProPlus for free at <http://www.uww.edu/icit/4u/proplus>. This is a great deal. Recommended free alternatives that can open/save most Word, Excel, and PowerPoint files are OpenOffice (<http://www.openoffice.org/download/index.html>) and LibreOffice (<http://www.libreoffice.org/download>)

ATTENDANCE AND PARTICIPATION:

You are expected to attend class and participate. This is a participatory course and group participation is not only important for your own learning, but for the learning of your group members. By engaging in meaningful discussions with your group members, by actively participating in whole class discussions, and by performing interesting experiments, you will develop with your classmates a set of ideas.

Because you will play such an important role in your own learning, **and especially the learning of your classmates, you are expected to come to class on time, come prepared, and participate every class period.** All personal electronic devices (e.g., cell phones, pager, iPods, etc.) **MUST** be turned off while in class. The **exception** is of course for **electronic book readers, calculators, or items being used to access on-line, class-related material**, to gather on-line information for group discussion, or to take notes.

Be considerate to your class and **DO NOT TEXT** while in class. If you have your cell phone out, I will request that you put it in a box.

All personal electronic devices not required for note taking or calculation (e.g., cell phones, pager, iPods, etc.) must be turned off while in class. Texting or using a cell

phone during class is NOT PERMITTED. It is distracting and causes other members of your group to be disturbed during the class lecture and activities.

If you are unwilling or unable to come to class on time, with your assigned homework completed, and to participate in the group activities and discussions or abide by course conduct, register for a different course!

Grading: Course grades will be determined by the percentage of **total** points assigned for the course. 93% = A, 90% = A-, 87% = B+, 83% = B, 80% = B-, 77% = C+, 73% = C, 70% = C-, 67%=D+, 63% = D, 60% = D-, <60% = F. The **approximate** assignment of points will be as follows:

Item	Number	Points each	Points total	%
Homework	10	4	40	14%
Class Activities	22	2	44	15%
Paper	2	40	80	28%
Exams	2	40	80	28%
Final	1	40	40	14%
Total			284	100%

I reserve the right to adjust grades slightly based on class participation. There may be occasional opportunities for extra credit.

D2L Grade book: Grades (exams, papers, and the homework total) will be posted on D2L as a **courtesy** and are for your information so that you can check that all your items have been accounted for. The D2L grade book is not the definitive score as transcription errors can occur, but it should match my personal grade book. Please inform me if you notice any errors. The homework and extra-credit totals will only be occasionally updated; I will try to update the grades at other times if requested.

EXAMS:

There will be two mid-term exams as well as a comprehensive final. Exams may only be taken on the assigned day and may not be taken at other times. However, there will be the opportunity for a make-up exam for each of the two mid-term exams for those who miss or are unsatisfied with their performance on the initial exam. The make-up exam will **replace** the grade of the initial exam. This make-up opportunity only applies to the mid-term exams and not for the final. Questions for the exams will be similar to submitted homework problems and to problems in the in-class activities.

You will be provided with a TI 30X IIS or similar calculator for use during exams. If you have a similar calculator to use as an alternate, it must be checked and approved by the instructor *before* the exam. No other electronic devices are allowed during exams. **NO CELL PHONES ARE ALLOWED DURING EXAMS.** You will not be allowed to use a cell phone as a calculator during the exams or have your cell phone available.

HOMEWORK:

There will be 10 homework assignments. Each assignment will be 4 points and will consist of questions related to the reading assignments. Each class period when homework is due, you will be expected to have completed the homework problem assigned for the day as noted on the class schedule. You will turn your solution at the start of class for credit. Late homework will receive half-credit.

Papers:

There will be 2 assigned papers. You will receive detailed information relating to the paper expectations. Each paper will be worth 40 points. (Same as the exams)

Papers are to be submitted on the D2L dropbox and will be checked for uniqueness using Turn-It-In. D2L will accept MS Word (.docx and .doc), Rich Text Format (.rtf), text (.txt), and PDF (.pdf) files. I can help you convert other file formats if needed. There will be a required draft and feedback on another student's draft. Unlike the final version, the draft is to be printed and submitted in-class.

Daily Readings: Read the assigned chapter from the book (listed is the schedule on the course Web site) **before** coming to class. You will be expected to provide a reading summary (to be graded) at the beginning of class. You may use notes when writing your reading summary. Write down one question that you have related to the assigned material for discussion.

Activities: There will usually be a graded in-class activity. You will turn in your results sheet for the day's activity at the end of the class period. Due to the nature of some of the in-class activities, it may not be possible to offer make-up on these, but when possible, you may make up missed activities at the earliest appropriate time.

In the event of university closure (for example due to flu), I will attempt to post videos of relevant in-class experiments on D2L. In such an event, group discussions would occur on-line in the D2L forum area. Homework would be submitted to the D2L dropbox.

The University of Wisconsin-Whitewater is dedicated to a safe, supportive and non-discriminatory learning environment. It is the responsibility of all undergraduate and graduate students to familiarize themselves with University policies regarding Special accommodations, Misconduct, Religious Beliefs Accommodation, Discrimination and Absence for University Sponsored Events. (For details please refer to the Undergraduate and Graduate Timetables; the "Rights and Responsibilities" section of the Undergraduate Bulletin; the Academic Requirements and Policies and the Facilities and Services sections of the Graduate Bulletin; and the "Student Academic Disciplinary Procedures" [UWS Chapter 14]; and the "Student Nonacademic Disciplinary Procedures" [UWS Chapter 17]).

EXAMINATION SCHEDULE FALL TERM 2014

FINAL EXAMINATION POLICY

All instructional staff of on- and off-campus classes are expected to meet during their scheduled for the final examination period. All comprehensive final examinations shall be administered at the prescribed time during the final examination period. For those classes where there is no final examination, the time prescribed during the final examination period shall be used as a regular class meeting. Exception to meeting classes during the examination period requires specific written approval in advance from the college dean.

No student shall be required to take more than two comprehensive final examinations on the same day. Any student with more than two comprehensive final examinations scheduled on the same day who want to reschedule the excessive examination(s) must make arrangements with the instructors involved. If the student and instructors are unable to reach mutual agreement about alternate arrangements, the student must notify the Registrar by Friday, October 17. The Registrar shall arrange times as necessary with instructors involved and shall notify the student of the arrangements by Monday, November 24. This policy covers only comprehensive final examinations given during the final examination period.

- Final examinations for web-based classes are scheduled during finals week at the discretion of the instructor.
- Courses meeting four or five periods a week, i.e. MTWR, may use either the MWF or TR period for the exam, whichever is most convenient for all concerned, unless otherwise stated.
- Classes scheduled MW, MF, or WF are to follow the MWF exam times unless otherwise stated.
- Examinations in off-campus evening classes are scheduled for the regular class meeting time that falls during the examination week that begins Monday, December 15.
- Classes offered at non-standard class times do not have designated final examination periods. Instructors are to make arrangements to administer examinations during the Monday, December 22 exam times.

Monday, December 15, 2014

7:45-9:45 a.m. MWF or MW classes beginning between 8:00-8:50 a.m.
10:00-12 Noon MWF or MW classes beginning between 10:00-10:50 a.m.
1:00-3:00 p.m. MWF or MW classes beginning between 12:00-12:50 p.m.
3:15-5:15 p.m. MWF or MW classes beginning between 2:00-2:50 p.m.
5:30-7:30 p.m. Monday or MW classes beginning between 4:00-4:50 p.m.
7:45-9:45 p.m. Monday or MW evening classes beginning 6:15 p.m. or later

Tuesday, December 16, 2014

7:45-9:45 a.m. TR classes beginning between 8:00-8:50 a.m.
10:00-12 Noon TR classes beginning between 11:00-11:50 a.m.
1:00-3:00 p.m. TR classes beginning between 1:00-1:50 p.m.
3:15-5:15 p.m. TR classes beginning between 2:00-2:50 p.m.
5:30-7:30 p.m. TR classes beginning between 4:00-4:50 p.m.
7:45-9:45 p.m. Tuesday evening classes beginning 6:15 or later

Wednesday, December 17, 2014

7:45-9:45 a.m. MWF or MW classes beginning between 9:00-9:50 a.m.
10:00-12 Noon MWF or MW classes beginning between 11:00-11:50 a.m.
1:00-3:00 p.m. MWF or MW classes beginning between 1:00-1:50 p.m.
3:15-5:15 p.m. MWF or MW classes beginning between 3:00-3:50 p.m.
5:30-7:30 p.m. MW classes beginning between 5:00-6:10 p.m.
7:45-9:45 p.m. Wednesday evening classes beginning 6:15 or later

Thursday, December 18, 2014

7:45-9:45 a.m. TR classes beginning between 9:00-9:50 a.m.
10:00-12 Noon TR classes beginning between 10:00-10:50 a.m.
1:00-3:00 p.m. TR classes beginning between 12:00-12:50 p.m.
3:15-5:15 p.m. TR classes beginning between 3:00-3:50 p.m.
5:30-7:30 p.m. TR classes beginning between 5:00-6:10 p.m.
7:45-9:45 p.m. Thursday evening classes beginning 6:15 or later

Friday, December 19, 2014

7:45-9:45 a.m. Friday only classes beginning between 8:00-9:55 a.m.
10:00-12 Noon Friday only classes beginning between 10:00-11:55 a.m.
1:00-3:00 p.m. Friday only classes beginning between 12:00-1:55 p.m.
3:15-5:15 p.m. Friday only classes beginning between 2:00-3:55 p.m.
5:30-7:30 p.m. Friday only classes beginning between 4:30 or later.

Saturday, December 20, 2014

Saturday and Sunday classes should hold exams during the meeting time that falls during exam week

Sunday, December 21, 2014

Saturday and Sunday classes should hold exams during the meeting time that falls during exam week

Monday, December 22, 2014

7:45-9:45 a.m. Special makeup exams for on-campus students
10:00-12 Noon if authorized by instructor
1:00-3:00 p.m.
3:15-5:15 p.m.

FINAL GRADES DUE IN WINS BY TUESDAY, DECEMBER 23 - 4:00 P.M.