Mech 473/573 Lectures

Professor Rodney Herring
Room EOW 337
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Course Content

Mech 473 will be comprised of the following:

• 2/3 Ferrous Alloys

• 1/3 Nonferrous Materials

Supplemental lectures involving supporting materials to help you understand the core material will be given at the appropriate times.
Text Book

There is no text book assigned to this course.
Lectures

There will be ~18 lectures, which will be posted on the MECH 473 web site. Lectures can be downloaded to your computer.

The source of the lectures are derived from

1) Ferrous and Nonferrous Metals by Dr. H. W. King
3) The Principles of Materials Selection for Engineering Design by Pat Mangonon
4) personally generated information
5) published literature
6) guest lecturers and their material
Lectures

There are two lectures per week.

Lectures will be held Monday and Thursday from 11:30 to 12:50 in DSB C118.
Mech 473 Website

To obtain the lectures, homework assignments, announcements, etc, please go to:

http://moodle.uvic.ca/my/index
Marking - Undergraduates

Your grade will be determined by the following scheme:

2 assignments  40 marks
   1st assignment Ferrous Metals – 25 marks*
   2nd assignment Nonferrous Metals – 15 marks

2 mid-terms  60 marks
   1st mid-term Ferrous Metals – 40 marks
   2nd mid-term Nonferrous Metals – 20 marks

* - There will be two parts to assignment #1 to help speed up the marking process.
Marking - Graduates

Your grade will be determined by the following scheme:

2 assignments 40 marks
  1st assignment – 25 marks*
  2nd assignment – 15 marks

2 mid-terms 40 marks
  1st mid-term – 25 marks
  2nd mid-term – 15 marks

1 report - 10 marks

1 presentation - 10 marks

* - There will be two parts to assignment #1 to help speed up the marking process.
Assignments

There will be two major assignments to help you prepare for the mid-terms.

The assignments will be given to you early in the lecture series so you can answer their questions during the class when the material is being presented and discussed.
Mid-term Tests

There will be two mid-terms. The first will be held sometime between towards the end of February and the other test will be held at the end of March or early April. The tests for the undergraduates will be the same as for the graduate students.

The first mid-term will cover ferrous materials.

The second mid-term will cover nonferrous materials.

Most of the questions on the mid-terms will come from your assignments although there will be at least one or two questions per topic, worth ~10 – 20%, that will concern an aspect of materials science and engineering discussed in class.
Report + Lecture
(graduate students)

There will be a major research report for each graduate student covering an agreed upon subject.

Towards the end of the semester, each graduate student will present to the class a lecture concerned with their research report.
The TA for Mech 473 is:

Mana Norouzpour

Her office is EOW 241 and email address is mananrp@uvic.ca
Ph no. 721-6510
Missed Classes

You are allowed to miss two classes for good reasons only. Follow UVic guidelines. Attendance will be taken from time to time. Weddings, concerts, camping, hiking, partying, etc., are not good excuses to miss class.

Missed Tests

Have a doctor’s note if you are/were sick.
Have a really good excuse otherwise. Weddings, concerts, camping, hiking, partying, etc., are not good excuses.
Office Hours

The best time to come to my office is during the daytime on Tuesday, Wednesday and Friday afternoons.

I teach most of the day on Monday and Thursday so it’s difficult for me to meet with you then.

Friday mornings I meet with my graduate students and research group so I will not be available.

Please do not come at the end of the day as I have family commitments.
Laboratories

There are no labs for this course.
Tutorials

There are no tutorials for this course although if you need help please come to see me.
Clickers

If everyone has an iclicker, we’ll use them for this course.
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