

Final Exam

Date: Thursday January 13, 2:15pm - 4:15pm

Place: Monzón M-202B



NO Graphic Calculators Allowed!

*Only an 8½ x 11" page with
everything you want to write*



What's in?

Let's start with problems related to:

- Exam 1:
 - Magnetic properties of materials
 - Crystal structure of compounds and Team Assignment 1
 - X-ray diffraction and Team Assignment 2.
- Exam 2:
 - Analysis of a tensile test
 - Processing and mechanical properties of ceramics
 - Creep and Larson Miller parameter

What's in? (cont.)

Phase Transformations

Metal Alloys and Thermal Processing

Phase Diagrams

- One-component phase diagrams and theory of phase diagrams.
- Eutectic transformations
- Phase diagrams covered in the ferrous alloys & aluminum alloys sections. **EVERYTHING** about them must be known!!

Reading Assignment (to be sent by email)



Enough?



Tip:

Study first from the presentations and your notes, and then from clarify concepts from the textbook

