

H1. Please explain more detail how to calculate multi-component phase diagram reflecting excess Gibbs energy (within 5 pages PPT).

H2. Exercises 1 (pages 61-63)

H3. Describe in detail through literature review what is happening by the Kirkendall Effect in diffusion between alloys in which substitutional diffusion occurs. (within 1 page)

H4. Exercises 2 (pages 111-114)

H5. Exercises 3 (pages 186-188)

H6. Exercises 4 (pages 257-259)

H7. Summarize sections 4.5 and 4.8 that were skipped in class in PPT and submit it before the 2nd test.

H8. Exercises 5 (pages 379-381)

H9. Summarize the pre-martensite phenomena and the tempering behavior of Ferrrous martensite in the textbook.

H10. Exercises 6 (pages 504-508)