Prof	. Ji-jung Kai	3 cresits	W3W4F3F4	Rm 406	Spring 2014
CONTENTS					Schedule
Chapter 12 Chapter 13	Diffusion in Sub Interstitial Diffus	stitutional Soli	d Solutions		1 st , 2 nd weeks 3 rd week
Chapter 14	Solidfication of I	Metals			4 th , 5 th weeks
(First M Chapter 15	Nucleation and C	Growth Kinetic	s		6 th ,7 th weeks
Chapter 16 Chapter 17	Precipitation Har Deformation Tw	dening	rtensite Reactions		8 th week
(Second Mid-term Examination)					, 10 WCCR5
Chapter 18	The Iron-Carbon	Alloy System			11 th week
Chapter 19	The Hardening of Selected Nonfer	f Steel	ama		12 th week
Chapter 20 Chapter 21	Failure of Metals	S Anoy Syst	ems		13 week 14^{th} , 15^{th} week
Chapter 23	Thermally Activ	ated Plastic De	formation (Third E	dition)	16 th ,17 th weeks
(Final Examination)					

ESS 352000 PHYSICAL METALLURGY (II)

Text Book: Robert E. Reed-Hill, Lara Abbaschian, and Reza Abbaschian, "Physical Metallurgy Principles", Forth Edition, CENGAGE Learning, USA, 2010.

Grades:

First Mid-term Examination	(25%)
Second Mid-term Examination	(25%)
Final Examination	(25%)
Home Works	(20%)
Class Performance	(5%)