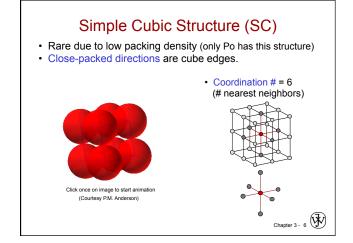
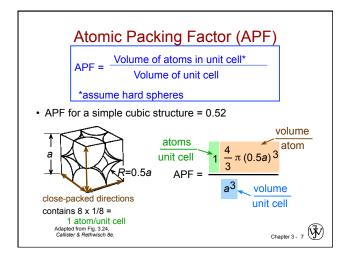
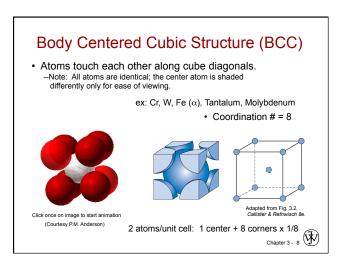
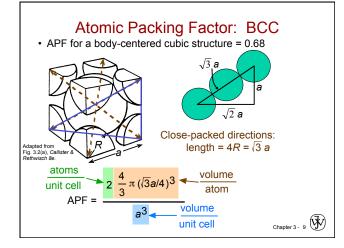


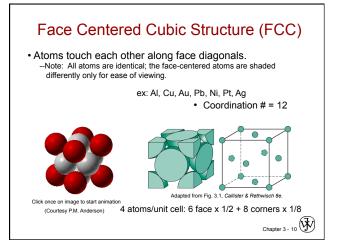
Chapter 3 - 5

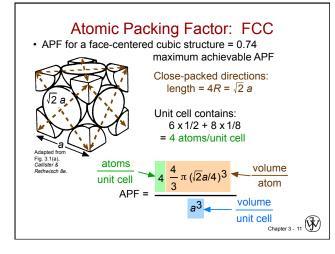


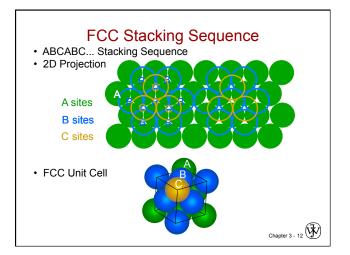


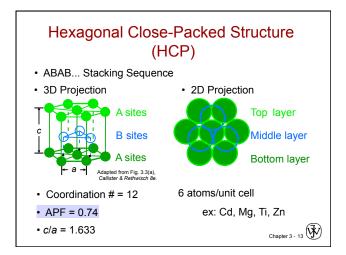




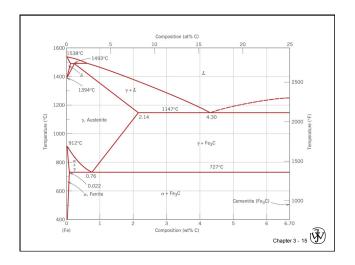


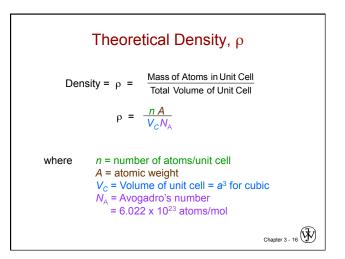


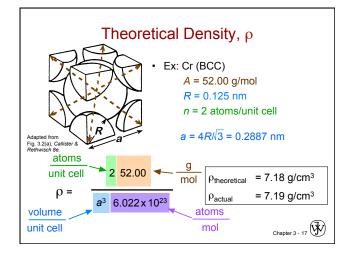


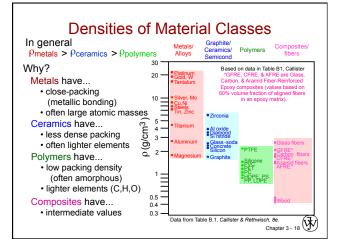


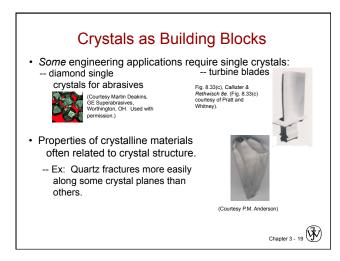
Structure ^a	Radius ^b (nm)	Metal	Crystal Structure	Radius (nm)
FCC	0.1431	Molybdenum	BCC	0.1363
HCP	0.1490	Nickel	FCC	0.1246
BCC	0.1249	Platinum	FCC	0.1387
HCP	0.1253	Silver	FCC	0.1445
FCC	0.1278	Tantalum	BCC	0.1430
FCC	0.1442	Titanium (α)	HCP	0.1445
BCC	0.1241	Tungsten	BCC	0.1371
FCC	0.1750	Zinc	HCP	0.1332
	HCP BCC HCP FCC FCC BCC	HCP 0.1490 BCC 0.1249 HCP 0.1253 FCC 0.1278 FCC 0.1442 BCC 0.1241	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$\begin{array}{cccc} HCP & 0.1490 & Nickel & FCC \\ BCC & 0.1249 & Platinum & FCC \\ HCP & 0.1253 & Silver & FCC \\ FCC & 0.1278 & Tantalum & BCC \\ FCC & 0.1442 & Titanium (\alpha) & HCP \\ BCC & 0.1241 & Tungsten & BCC \\ \end{array}$

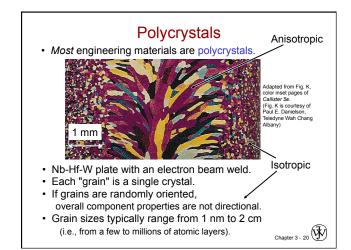


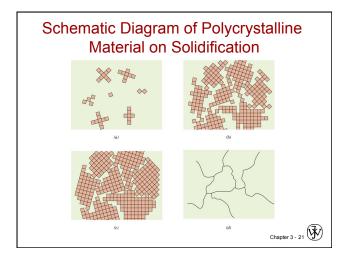


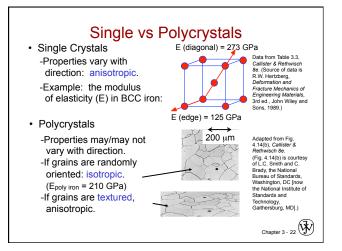


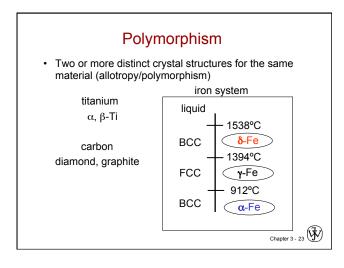


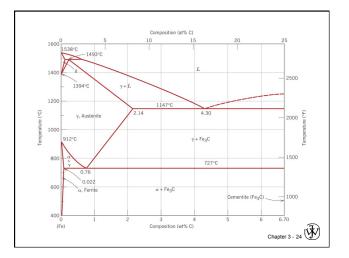


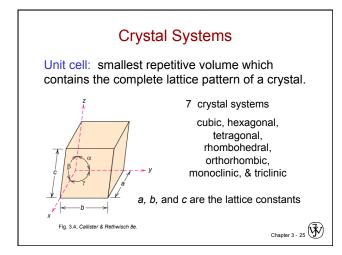


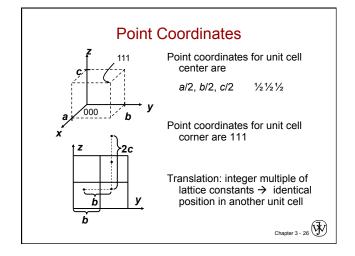


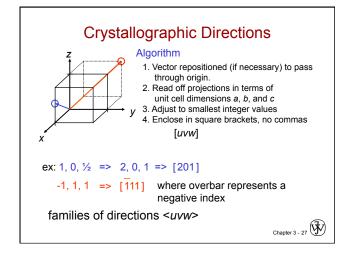


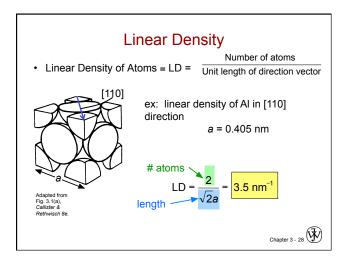


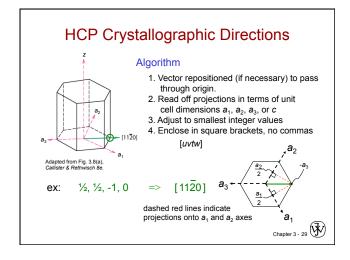


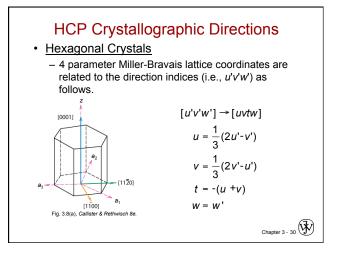


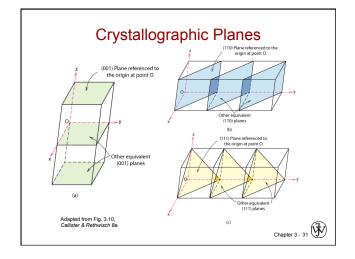


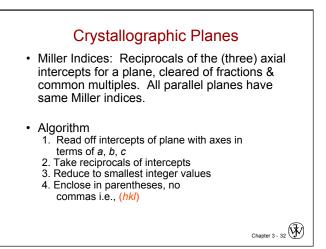


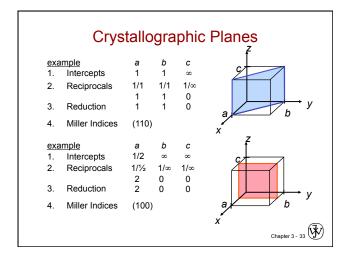


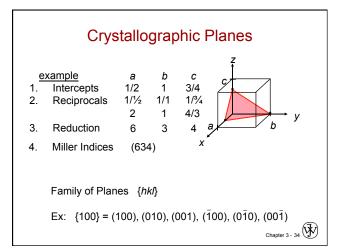


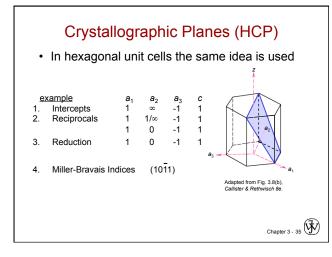


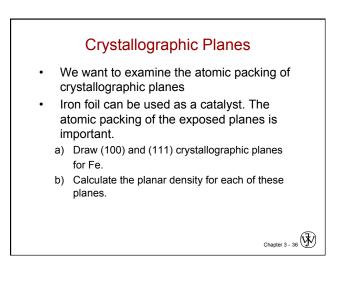


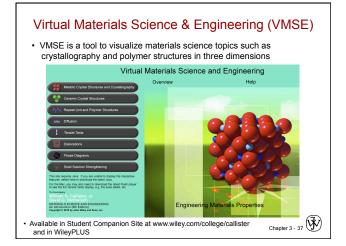


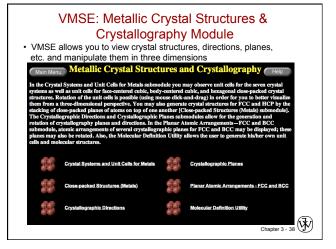


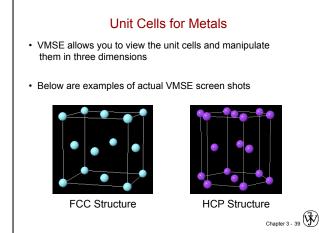


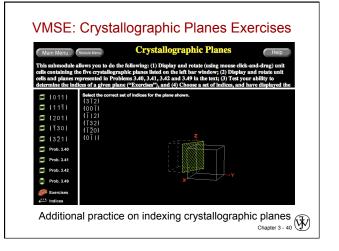




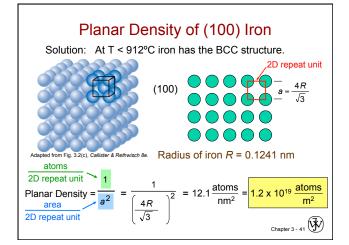


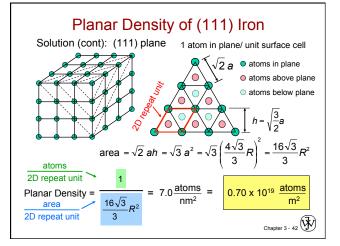


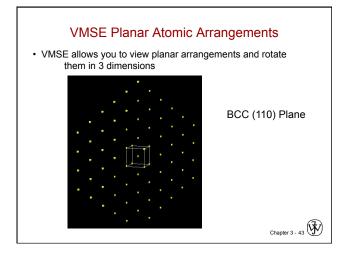


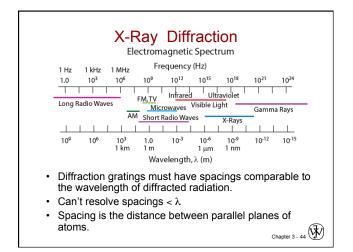


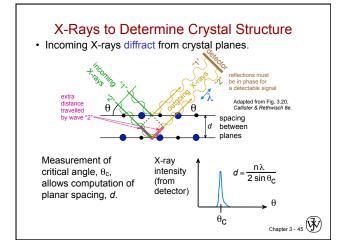
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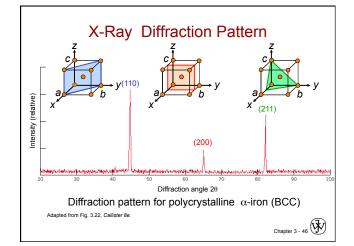


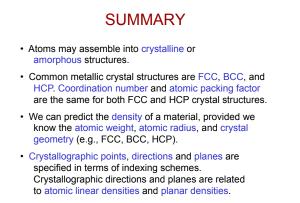




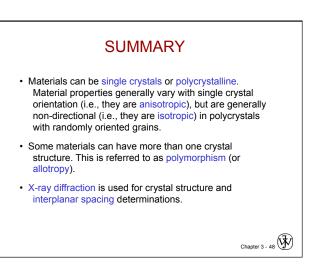








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ASSIGNMENT/Due Dates

Reading: Chapter 4/Tuesday 1-24-12

Core Problems: 3.3, 3.7, 3.39, 3.64, CAD problem handout/Tuesday 1-31-12

Self-help Problems: per your discretion

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