wmfschneider / CHE30324

Physical Chemistry for Chemical Engineers

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CHE30324 - Physical Chemistry for Chemical Engineers

This one semester course demonstrates the molecular bases of chemical engineering, making the connection between basic physical chemistry concepts (Boltzmann statistics, classical and quantum mechanics) and the pillars of chemical engineering (thermodynamics, kinetics, and transport).

Syllabus available here

Brief course outline available here

More detailed, living outline available as pdf or org-file

Homework assignments and solutions available here

Introduction to git available here

Introduction to iPython/Jupyter notebooks here

Tutorial on Python here

Git cheat sheet here