

GEOL 430, Stratigraphy and Sedimentology – CSULA, Spring 2015  
Exam 3 Study Guide

**Chapter 13 – OTHER BIOGENIC SEDIMENTARY ROCKS**

- Know the Introduction
- Know “Chert and Siliceous Sediment”
- Know “Phosphorites”
- from “Organic-Rich Sediment”:
  - \* know “Coal” (introduction and Coal Rank only), up to page 284
  - \* skip the rest of the Chapter starting from Coal Lithotype

**Chapter 14 – CHEMICAL AND NONEPICLASTIC SEDIMENTARY ROCKS**

- Know the Introduction
- Know “Solution Geochemistry”
- Know “Iron-Rich Sedimentary Rocks”
- Know “Evaporites”
- Skip “Nonepiclastic Sedimentary Rocks”

**Chapter 17 – GEOPHYSICAL AND CHEMOSTRATIGRAPHIC CORRELATION**

- Know “Well Logging”
- Know “Seismic Stratigraphy”
- Know “Magnetostratigraphy”
- Know “Chemostratigraphy”

**Chapter 18 – GEOCHRONOLOGY AND CHEMOSTRATIGRAPHY**

- Know the Introduction
- Know “Geochronology”
- Read the rest of the chapter for completeness of information, but there will be no questions from it

**CYCLOSTRATIGRAPHY**

- Know your notes and the notes I made available online

**Chapter 19 – SEDIMENTARY ROCKS IN SPACE AND IN TIME**

- Know the Introduction
- Know “Basin Analysis”
- Know “Tectonics and Sedimentation”
- Know “Sedimentation in Orogenic Belts: The Classic Geosynclinal Interpretation”
- Know “Secular Changes in the Sedimentary Record”

**ARROW CANYON Mississippian – Pennsylvanian GSSP**

- Know the reference paper I made available online