

1-2002

# GEOL 571.01: Advanced Aqueous Geochemistry II

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Geology 571  
Advanced Aqueous Geochemistry II  
Spring 2002

Readings will be provided for the latter half of the course. The course will be evaluated on in-class problems, homework, and take-home exams.

**Tentative Schedule**

|             |   |
|-------------|---|
| 28 January  | Kinetics, <b>no class February 1</b>                              |
| 4 February  | Kinetics  |
| 11 February | Redox equilibria, Nernst equation                                 |
| 18 February | Electron activity   |
| 25 February | Graphical representation  |
| 4 March     | Graphical representation continued                                |
| 11 March    | Iron chemistry  |
| 18 March    | Spring Break  |
| 25 March    | Iron chemistry  |
| 1 April     | Sulfur chemistry , Manganese chemistry                            |
| 8 April     | <b>Class schedule open - I will be on travel part of the week</b> |
| 15 April    | Redox controls in natural waters                                  |
| 22 April    | Adsorption reactions  |
| 29 April    | Geochemical modeling  |
| 6 May       | continued   |
| 13 May      | Finals Week   |