

EARTH SCIENCES 401, PRINCIPLES OF GEOLOGY, FALL 2008

| CLASS                            | DATE     | TOPIC                  | CHAPTER | LAB                |
|----------------------------------|----------|------------------------|---------|--------------------|
| 1                                | W Sept 3 | Rock Cycle             | 1       |                    |
| 2                                | F 5      | Mineral Identification | 1, 2    |                    |
| 3                                | M 8      | Minerals               | 1, 2    | Minerals           |
| 4                                | W 10     | Igneous Rocks          | 3       |                    |
| 5                                | F 12     | Origin of Magmas       | 3       |                    |
| 6                                | M 15     | Volcanoes              | 4       | Igneous Rock*      |
| 7                                | W 17     | Volcanoes              | 4       |                    |
| 8                                | F 19     | Weathering             | 5       |                    |
| 9                                | M 22     | Sedimentary Rocks      | 6       | Sedimentary Rocks  |
| 10                               | W 24     | Sedimentary Structures | 6       |                    |
| 11                               | F 26     | HOUR EXAM I            |         |                    |
| 12                               | M 29     | Streams                | 9       | Streams*           |
| 13                               | W Oct 1  | Streams                | 9       |                    |
| 14                               | F 3      | Ground Water           | 10      |                    |
| 15                               | M 6      | Karst Regions          | 10      | Ground Water*      |
| 16                               | W 8      | Mass Wasting           | 8       |                    |
| 17                               | F 10     | Glaciers               | 11      |                    |
| 18                               | M 13     | Glacial Erosion        | 11      | Volcanoes          |
| 19                               | W 15     | Glacial Deposition     | 11      |                    |
| 20                               | M 20     | Coastal Processes      | 13      | Glaciers*          |
| 21                               | W 22     | Coasts and Beaches     | 13      |                    |
| 22                               | F 24     | HOUR EXAM II           |         |                    |
| 23                               | M 27     | Deserts and Wind       | 12      | Geomorphology      |
| 24                               | W 29     | Eolian Features        | 12      |                    |
| 25                               | F 31     | Earthquakes            | 14      |                    |
| 26                               | M Nov 3  | Interior of the Earth  | 14      | Earthquakes        |
| 27                               | W 5      | Metamorphism           | 7       |                    |
| 28                               | F 7      | Metamorphic Rocks      | 7       |                    |
| 29                               | M 10     | Plate Tectonics        | 15,16   | Metamorphic Rocks* |
| special lab for tuesday sections |          |                        |         |                    |
| 30                               | W 12     | Paleomagnetism         | 15,16   |                    |
| 31                               | F 14     | HOUR EXAM III          |         |                    |
| 32                               | M 17     | Ocean Floor            | 16      | Plate Tectonics    |
| 33                               | W 19     | Ocean Floor            | 16      |                    |
| 34                               | F 21     | Faults                 | 17      | TBA                |
| 35                               | M 24     | Folds                  | 17      |                    |
| 36                               | W 26     | Mountains              | 17      |                    |
| Thanksgiving                     |          |                        |         |                    |
| 37                               | M Dec 1  | Mountains              | 17      | Structures         |
| 38                               | W 3      | Relative Ages          | 18      |                    |
| 39                               | F 5      | Absolute Ages          | 18      |                    |
| 40                               | M 8      | Ore Deposits           |         | Gold               |
| 41                               | W 10     | Fossil Fuels           | 6       |                    |
| 42                               | F 12     | "Hot Spots"            | 3,4,16  |                    |

\* These labs are partly or entirely outdoors. Be prepared for the weather and for walking around campus.

The text is "Essentials of Geology" by F. K. Lutgens and E. J. Tarbuck. The official edition is the ninth but any earlier one is ok although some chapter numbers may be different. My office is Nesmith G17 and my e-mail is [fsb@cisunix.unh.edu](mailto:fsb@cisunix.unh.edu). I have an open door policy so you do not need to make appointments.