

# Geology 220: Volcanology

## Tentative Schedule Spring 2004

| Week | Date            | Topics   | Reading   | Important Information  |
|------|-----------------|--|---|--|
| I    | Jan. 20, 22     | Introduction<br>Myths, Legends, and<br>Historical Perspectives on<br>Volcanology | 1. B&McB<br>Introduction<br>2. Start reading<br><i>Krakatoa</i>                               |  |
| II   | Jan. 27, 29     | Eruption Statistics;<br>Krakatoa Discussion                                      | 1. B&McB Ch. 1<br>2. Finish reading<br><i>Krakatoa</i>  | Frontpage training to be scheduled<br>1. Problem Set 1 due Friday, Jan 30 <sup>th</sup> , 5 PM<br>2. Volcano status summary due to TA by Friday, 5 PM (email)    |
| III  | Feb. 3, 5       | Eruption Classification I  | B&McB Ch. 1,<br>2, 3.1  |  |
| IV   | Feb. 10, 12     | Eruption Classification II   | TBA   | Volcano status summary due to TA by Friday, 5 PM (email)   |
| V    | Feb. 17, 19     | Magma Generation and<br>Ascent   | TBA   | Problem Set 2 due Monday, Feb. 16 <sup>th</sup> , 5 PM   |
| VI   | Feb. 24, 26     | Effusive Volcanism I   | B&McB Ch. 4.1,<br>4.3, 4.4  | Volcano status summary due to TA by Friday, 5 PM (email)   |
| VII  | Mar. 2, 4       | Effusive Volcanism II  | B&McB Ch. 5.1-<br>5.7   | 1. Midterm Exam Tuesday, Mar. 2 <sup>nd</sup> , 7 PM<br>2. Volcano Demo Project idea should be cleared with me by Friday, March 5 <sup>th</sup> , 5 PM           |
| VIII | Mar. 9, 11      | Effusive Volcanism III   | B&McB Ch. 10,<br>Ch. 11.5, 11.6   | 1. Volcano status summary due to TA by Thursday, 5 PM (email)<br>2. Problem Set 3 due Thursday, Mar. 11 <sup>th</sup> , 5 PM                                     |
| IX   | Mar. 16, 18     | Spring Break   |   | Go visit a volcano.  |
| X    | Mar. 23, 25     | Explosive Volcanism I  | B&McB Ch.3.2-<br>3.5; rest of Ch.<br>4, 5.8, 5.9, 6   | Volcano status summary due to TA by Friday, 5 PM (email)   |
| XI   | Mar. 30, Apr. 1 | Explosive Volcanism II   | B&McB Ch. 7, 8  | Volcano Demonstration Project evening session<br>Thursday, April 1 <sup>st</sup> , 7-9 PM.   |
| XII  | Apr. 6, 8       | Explosive Volcanism III  | 1. B&McB Ch.<br>11.1-11.4, 10<br>2. Begin reading<br><i>Volcano Cowboys</i><br>2. B&McB Ch. 9 | 1. Volcano status summary due to TA by Friday, 5 PM (email)<br>2. Problem Set 4 due by Friday, April 9 <sup>th</sup> , 5 PM                                      |
| XIII | Apr. 13, 15     | Monitoring Volcanic<br>Eruptions   | B&McB Ch.<br>14.1-14.5;<br>handouts   | 1. Website must be completed by Monday, April 12 <sup>th</sup> , 5 PM.<br>2. Website evaluations must be emailed to me by Friday, April 16 <sup>th</sup> , 5 PM. |
| XIV  | Apr. 20, 22     | Monitoring Volcanic<br>Eruptions   | Finish reading<br><i>Volcano Cowboys</i>  | 1. Volcano status summary due to TA by Friday, 5 PM (email)<br>2. Problem Set 5 due by Friday, April 23 <sup>rd</sup> , 5 PM                                     |
| XV   | Apr. 27, 29     | Volcanoes and the Big<br>Picture   | B&McB Ch. 12,<br>13, 14.6, 14.7   | Final update on your volcano's activity must be added to your website by Fri., April 30 <sup>th</sup> , 5 PM.  |
|      | Finals<br>Week  |  |   | Final Exam: As scheduled   |

B&McB = Our textbook: Bardintzeff and McBirney, *Volcanology*, 2<sup>nd</sup> Edition