This is a TENTATIVE schedule for the Fall 2014 Semester. It will give you an idea of what material we will cover, as well as when tests will occur, and the materials for the class. This is only meant to prepare you for class, and may change at any point during the semester.

TENTATIVE SCHEDULE for

**BSC 2010 – General Biology I Lab**

|  |  |  |  |
| --- | --- | --- | --- |
| **READINGS** | | | |
| **Week of** | **Lab Topic** | **Lab Manual Section** | **Lecture Text** |
| Aug 25 | Introduction‡, Safety‡; Metric | 2.0-2.1, p.viii, Append B |  |
| Sep 1 | (*Holiday – M)* Metric; Microscope‡ | 2.2 – 2.5; lab review | p. 60 – 63 |
| Sep 8 | Cell structure‡; pH | 4.0–4.2,4.5, review; | p. 60-87; 29-30; |
| Sep 15 | DNA isolation, Review for Test | 11.4 | p. 41-44 |
| Sep 22 | **TEST I** |  |  |
| Sep 29 | Cell function, Osmosis‡ | 4.3 – 4.4; lab review | p. 59 – 99 |
| Oct 6 | Enzymes | 5.0 – 5.4, lab review | p. 113 – 119 |
| Oct 13 | Cellular respiration‡, Fermentation‡ | 7.0 – 7.2, lab review | p. 122 – 143 |
| Oct 20 | **TEST II;** Mitosis, Meiosis | 8.0 – 8.2 | p. 186 – 218 |
| Oct 27 | Mendelian genetics‡ | 8.2 - 9.4, lab review | p. 221 – 236 |
| Nov 3 | Human genetics‡, Karyotyping‡ | 10.0 – 10.2, lab review | p. 239 – 253 |
| Nov 10 | (*Holiday – T)* Evolution‡ | Exercise in lab packet | p. 396 - 414 |
| Nov 17 | Microscope Review and Exam |  |  |
| Nov 24 | Review; (*Holiday – W, R, F*) |  |  |
| Dec 1 | **Comprehensive Final** – Normal class time |  |  |

**‡ *Required pre-lab readings in Lab packet***

**LAB MANUAL**: Biology Laboratory Manual, 10th ed. by Mader, 2010 (full text)

Biology Laboratory Manual, 10th ed. by Mader, 2010, Volume 1 (IRSC Special Print)\*\*, 2d

edition

\*\*recommended as this is a special version of the textbook for IRSC students only

**Lecture Text**: Biology, 10th ed. By Raven et.al., 2014

Student study guide is optional; Suggested reading: How to Study Science by Drewes