**Note:** This schedule is tentative and subject to change at the professor’s discretion. Changes to exam dates will be announced in lectures and sufficient notice will be given.

|  |  |  |
| --- | --- | --- |
|  **DATE** | **TOPIC** | **READING** |
| 1/11 | Introduction/Review of Allostery | (15.1-15.4) |
| 1/13 | Metabolism (cont’d) | 17 (17.1-2; 17.4) |
| 1/15 | **Quiz 1/** Glycolysis  | Ch. 18 |
| 1/18 | **MLK HOLIDAY--NO CLASS** |
| 1/20 | Glycolysis | Ch. 18 |
| 1/22 | Glycolysis |
| 1/25 | The Citric Acid Cycle (TCA)  | 19 |
| 1/27 | TCA Energetics/Regulation |
| 1/29 | **Quiz 2/** Gluconeogenesis (Sect. 1 and 2) | Ch.22  |
| 2/1 | Glycogen Metabolism (Sect 3-4) | Ch. 22  |
| 2/3  | Glycogen Regulation | Ch. 22  |
| 2/5 | **Quiz 3/** Electron Transport | Ch. 20 |
| 2/8 | **EXAM I**  |
| 2/10 | Electron Transport  | Ch. 20 |
| 2/12 | Electron Transport  **Due Date: Pentose Phosphate Pathway Assignment** |
| 2/15 | Electron Transport |
| 2/17 | Oxidative Phosphorylation |  |
| 2/19 | Cont’d |  |
| 2/22 | **Quiz 4/** Fatty Acid Catabolism | Ch. 23 |
| 2/24 | Fatty Acids (cont’d) | Ch. 24 |
| 2/26 | Fatty Acid Biosynthesis |   |
| 3/1 | **Cont’d** |
| 3/3 | **Cont’d** |
| 3/5 | **Quiz 5/** Nitrogen Acquisition | Ch. 25 |
| 3/8 | Amino Acid Synthesis **Due Date:** **Proposals for YFMP projects**  |
| 3/10 | Amino Acid Metabolism |
| 3/11 | **EXAM II** |
| 3/15-19 | **SPRING BREAK---NO CLASS** |
| 3/22 | Purine Synthesis | Ch. 26 |
| 3/24 | Pyrimidine Biosynthesis  |
| 3/26 | Nucleotide Metabolism |
| 3/29 | Nucleotide Metabolism **Due Date: Literature summaries for YFMP**  |
| 3/31 | **Quiz 6/** Integration of Metabolic Pathways | Ch. 27 |
| 4/3 | Cont’d  |
| 4/5 | Signal Transduction Pathways | Ch. 32 |
| 4/7 | Signal Transduction Pathways |
| 4/9 | Neurotransmission |
| 4/12 | Neurotransmission |
| 4/14 | Neurotransmission |
| 4/16 | **Special Topics** |
| 4/19 | **EXAM III**  |
| 4/21 | Student Presentations**--DUE DATE FOR METABOLISM PAPERS** |
| 4/23 |  (cont’d) |
| 4/26 | No class |
| **5/4** | **FINAL EXAM 3:00pm** |