Book: The Basics of GOB Chemistry (Ball et al.)

The Basics of General, Organic, and Biological Chemistry by David W. Ball, John W. Hill, and Rhonda J. Scott. This textbook is intended for the one-semester GOB course. Although a two-semester GOB sequence is available at many colleges and universities, one-semester GOB offerings are increasing in popularity. This textbook is divided into approximately one-half general chemistry topics, one-fourth organic chemistry topics, and one-fourth biochemistry topics.

- 1: Chemistry, Matter, and Measurement
- 2: Elements, Atoms, and the Periodic Table
3: Ionic Bonding and Simple Ionic Compounds

![Diagram of ionic bonding]

4: Covalent Bonding and Simple Molecular Compounds

5: Introduction to Chemical Reactions

6: Quantities in Chemical Reactions
7: Energy and Chemical Processes

8: Solids, Liquids, and Gases

9: Solutions

10: Acids and Bases
11: Organic Chemistry - Alkanes

12: Unsaturated and Aromatic Hydrocarbons

13: Organic Compounds of Oxygen

14: Organic Acids and Bases and Some of Their Derivatives
15: Carbohydrates

16: Lipids

17: Amino Acids, Proteins, and Enzymes

18: Nucleic Acids