Since we are concerned with reactions primarily in the study of chemistry, we are interested in how fast (or slow) they occur and how to control these timescales. The field of kinetics is the field that explore this aspect of chemistry and is the "non-equilibration" aspect to the troika of thermodynamics, equilibria and electrochemistry. All are connected as discussed in the following chapters.

• Introduction to Reaction Kinetics
• Reaction Rates
• Rate Laws
• Reaction Mechanisms
Experimental Methods

• Modeling Reaction Kinetics

• Case Studies: Kinetics

• Review of Chemical Kinetics