With your advisor, make an outline of your entire thesis. Include descriptive titles for all chapters and section headings. Include descriptive titles for all figures to be placed in the thesis (whether or not such figures already exist). Pay close attention to logical flow (see course materials for Lecture 3).

**Partial Example:**

**CHAPTER I INTRODUCTION**

1.1 Motivation and Applications for High Harmonics Research

1.2 Harmonic Generation and Fundamental Concepts

   Fig. 1.1 Harmonics generated in a laser focus.

1.3 Phase Matching

1.4 Re-Absorption

   Fig. 1.2 Harmonic signal as a function of the product of length and pressure.

   Fig. 1.3 Transmission through a medium of length L containing N atoms/volume.

1.5 Gas Species

   Fig. 1.4 Harmonic emission for xenon, argon, neon and helium as a function of harmonic order. Taken from Ref [10].

1.6 Current Status of the Field

1.7 Previous Work at BYU

   Fig. 1.5 Phase zones near the laser focus due to Gouy shift for $q = 21$

1.8 Outline of Experiments

1.9 Outline of Experimental Findings

1.10 Overview