Disposition

This is my current plan for the thesis. I want to be able to cover this topic from A to Z. I'm not sure how much work it takes to be able to write **comprehensively** about these themes, so I think it is smart to see how far I am able to get, and then maybe look into more things if I have the time.

1. Triangulated Categories
   (a) Definitions and first properties
   (b) An example of a triangulated category
   (c) Motivation for why the triangulated structure is interesting?
2. Exact Categories and The Frobenius Categories
   (a) Definitions and first properties
   (b) The Frobenius category, it's stabilization and triangulation
   (c) Example of Stable Frobenis category
3. The Derived Categories of Exact Categories
   (a) Long exact sequences
   (b) Homology in an exact sense
   (c) The Derived category in an exact sense
4. Auslander-Reiten Triangles
   (a) Krull-Schmidt categories
   (b) Definitions and first properties
   (c) Description of a derived category (by AR-triangles)
5. Appendix A: Additive, Abelian and Derived Categories???
   (a) A quick rundown of important definitions and theorems