This is not an official outline. I haven’t yet worked out what we will be doing exactly, but I can say a few things at this point for those who want to get a head start.

One thing for sure is that most, or all, of the course will be in Haskell. The course usually has a few weeks on Prolog, but I hate the language. Prolog is one of the most beautiful programming languages in existence until one adds the paradigm-busting features needed for writing anything practical, at which point it becomes one of the ugliest languages in existence, even uglier than C++.

If you want to get a head start, there are tons of tutorials out there. Learn you a Haskell is oldish but still very good. Most of the course will be about the thinking recursively/functionally about data and operations on it. The course will cover at least the material in chapters 1-6.

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