

## QCD

### Pre-Lecture Reading/Post-Lecture Summary

We now turn to the strong interactions which you might guess are notably more difficult than QED. In fact, they contain all of the complications of QED and then some. We will begin with a quick survey of how various interaction can "contaminate" a single process. We will then quickly address how QED applies to quarks. We will then turn to our main goal which is the Feynman rules for QCD. Proceeding by comparison to the ABC and QED theories we have already covered, we will see what is similar and what is new and interesting for QCD. Then you will leave and be happy.