

NYC Category Theory Meetup

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1 Syllabus

This meetup will be full dive into Category Theory, aimed at the sophisticated grad student, or the particularly dedicated undergrad.

1.1 Logistics

The meetup will be every Friday at 7pm, at the Kadena Office in Gowanus - 92 3rd St. Brooklyn, NY, 11231. You can find us on the 2nd floor, a block and a half off of the Carroll St. F stop.

1.2 Textbook

We'll be using the book *Category Theory in Context* by Emily Riehl. You can find this book for \$30 on Amazon, paperback. Alternatively, if you cannot afford the book, there is a free version here: <http://www.math.jhu.edu/~eriehl/context.pdf>.

Additionally, we may refer to *Categories for the Working Mathematician* by Saunders MacLane, and *Seven Sketches in Compositionality* by Fong and Spivak. The latter two are nice-to-haves, but not necessary. Much of the content for the group can be cobbled together from various blog posts and alternative resources.

1.3 Misc

Meetup materials will be hosted at <https://github.com/cohomology/cats-in-context>, and discussion will be held in #categorytheory in the following discord: Haskell \cap Chat