

# 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 Monady at 7pm, at the Kadena Office in Gowanus - 92 3rd St. Brooklyn, NY, 11231 (just ring the bell for the kadena office). You can find us on the 2nd floor, a block and a half off of the Carroll St. F stop. Pizza and drinks will be provided on location.

### 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