Categorical tools

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Dear students,

we are a postdoc (Fosco) and a PhD student (Ivan) here in MU; we are planning to start a series of lectures on two topics we love:

- **Accessible and presentable** categories;
- **Homotopical algebra** and abstract homotopy theory.

If you wanna be fashionable, and know some cutting-edge Mathematics, drop us a line!

You should be familiar with some rudiments of category theory, but we are trying to design the course in order to keep its prerequisites to a reasonable minimum. Of course, everyone willing to collaborate is welcome.

With the exception of the first lecture, we meet every Tuesday at 4pm in room XYZ.

Other useful informations:

📅 : Here's a tentative schedule of the first meetings:

- **6th April**:
    1. Ivan: Generalities on locally presentable categories.
    2. Fosco: Preliminaries and generalities on model categories.
- **11th April**:
    1. Ivan: Representation theorem.
    2. Fosco: A model structure on simplicial sets and spaces: a Quillen equivalence.
- **18th April**:
    1. Ivan: Properties of Locally Presentable Categories.
    2. Fosco: Homotopy Limits.

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⭘ : There's a github repo where we host material and relevant infos:

https://github.com/tetrapharmakon/progetti-MUNI

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Fosco and Ivan,
Brno, March 29, 2017