COVID-19 Outbreak
Math Modeling Contest

The Department of Mathematics launches a Contest in Math Modeling of the COVID-19 Outbreak. The undergraduate students interested in participating may work individually or form their own team (2-5 people) and will work on the task of finding reliable predictive models to help to (1) anticipate the number of infected people and, consequently, the need for medical devices, (2) simulate the impact of restrictive measures, and, consequently, detect the most effective policies.

All the teams will work on-line with Zoom. A training session will be held on Thursday 4/2 at 4 pm by Math faculty.

The interested students may send their expression of interest to Alessandro Veneziani (avenez2@emory.edu). They will be automatically invited to join the CANVAS Web Page where information, papers, templates for the Report, codes (Python and Matlab), and Instructions are already available. Students who want to be part of a team but don't have mates yet will be helped to form groups with a heterogeneous background to have the widest expertise for the challenge.

The project will start officially on 4/4. The final report will be delivered by 4/30. A Committee including Emory faculty and experts (in Mathematics, Statistics, and Epidemiology) and entrepreneurs working in the field of Global Healthcare will evaluate the projects. The best three projects will be awarded by the Department.