Winter course: A lab course in Analyzing Biology
[BIOL-SCI 359-0-1 (21867) and ES-APPM 395-0-2 (22744)] Monday’s 12-5pm
Instructors: Richard Carthew and Madhav Mani

The course will be taught in 4 modules, which will involve students repeating experiments from some of the landmark papers in quantitative biology.

Groups of students will work together and learn how to do experiments in a wet lab, perform live-imaging, conduct sequencing based studies, analyze their own data, and presentation skills.

Students will work in teams of 2-3.

Modules will include: 1) The classic Luria-Delbruck mutation experiments, 2) Gradient-sensing in yeast, 3) Pattern formation in the early fly embryo, and 4) The yeast cell-cycle.

Prereqs: Flexible. Please contact course instructors. Please contact madhav.mani@northwestern.edu or r-carthew@northwestern.edu if you wish to discuss prerequisites, what will be covered in the course, etc.