

## Course Focus

### **BIOO 435/MB530 – Virology**

by Mark Young



We have all heard of them, but what do we really know about viruses? BIOM435/MB530 is an introductory course into the world of viruses taught each Fall semester. BIOM435 is divided into two parts. The first half of the course is focused on the fundamentals of the viral replication cycle. The second half of the course examines selected examples of viruses impacting human health (e.g. HIV, Influenza, Polio, Dengue), plant disease, (e.g. BYD, WSMV) and as fundamental tools for understanding cell biology (lambda). As part of this course, we travel the world with students leading live discussions via video links with virus experts from around the world including doctors

on the ground in HIV clinics in Zimbabwe to virologists working on Dengue vaccine development at the Pasteur Institute in Paris. MB530 is an additional component of BIOM435 course open to graduate students interested in a more in-depth understanding of virology. This course uses the primary literature to explore topics in virology from virus structure and replication to vaccine development. BIOM435 class space is limited to 65 and typically has a waiting list. So sign up early if you are interested. I hope to see you this Fall!