Special Topics: Applied Systems Biology  
BIOC 6102 (1 hour credit) – Spring 2021

Course Description:
This graduate course provides an overview of cutting-edge omics technologies to study systems as a whole.

The course will introduce sequencing technologies such as genomics, transcriptomics, 16S rRNA, metagenomics, and proteomics.

The course provides hands-on data analysis experience using Jupyter Notebooks.

Course Objectives:
➢ Review concepts of omics technologies  
➢ Learn about data rigor and reproducibility  
➢ Build a Bioinformatics Toolbox to apply these technologies to your own research

Times: 8 Sessions  
Tuesday 1:00 – 3:00 PM  
Contact: Sbyrum@uams.edu