**MCB 5670-02 Bacterial DNA & RNA isolation and Quality Control**

**Dates:** May 22-24, 2019  
**Times:** May 22 1:00 PM to 5:00; May 23-24 9:00 AM to 5:00 PM  
**Instructors:** Joerg Graf and Elizabeth Herder  

**1 credit**

- Compare different methods for DNA and RNA isolation and determine the quantity and quality of nucleic acids.  
- Learn how to use a Qubit, Nanodrop, Bioanalyzer and Tapestation.  
- **Open to all graduate and qualified undergraduate students**

Contact [elaine.mirkin@uconn.edu](mailto:elaine.mirkin@uconn.edu) for permission number.
MCB 5671-02 Characterization of Microbial Communities by 16S rRNA Gene Sequencing

**Dates:** May 16-17, May 20-22, 2019  
**Times:** May 16-17 and May 20-21 9:00 AM to 5:00 PM; May 22 9:00 AM to 12:00 PM  
**Instructors:** Joerg Graf, Danielle Lesperance and Todd Testerman

- Learn how to sequence the 16S rRNA genes of a microbial community, prepare libraries to run on the MiSeq, and analyze data using a QIIME 2 pipeline  
- Open to all graduate and qualified undergraduate students

Contact [elaine.mirkin@uconn.edu](mailto:elaine.mirkin@uconn.edu) for permission number.