


DNA Analysis of Environmental Samples: From Sample to Next Generation Sequencing

Summer Session 2017
Thursdays 9:00-12:00
Min Kao 623

EEB 603 - CRN 84720
MICR 670 - CRN 84717
BCMB 610 - CRN 84721

Course is 2 credit hours



This course is designed for students who need a good working understanding of lab techniques associated with optimizing DNA analyses. It will involve lectures, interactive discussions on troubleshooting, and hands-on lab experiences in the Genomics Core. We will begin with discussions on best practices from collecting field samples to DNA extraction and amplification. We will discuss some of the most common types of DNA analysis, including PCR, various SNP analysis methods, Sanger sequencing, and Next Generation sequencing, as well as experimental design and critical controls.

Students will have the opportunity to work with their own samples in class.

Contact Veronica Brown vabrown@utk.edu with questions.