The objective of this course is to provide undergraduate students the opportunity to conduct research in the area of bacteriophage genetics. Bacteriophages are viruses that infect bacteria. These viruses are diverse and contain a vast reservoir of genetic information that has not been examined. During the course, students will learn to read the scientific literature and design experiments to study bacteriophage genomes and genes. Students will work with previously isolated bacteriophages that infect either Mycobacterium or Streptomyces. Potential experimental activities include genome finishing, confirmation of gene annotations, analysis of gene regulation, or determination of gene function. Students in the course will work in research teams on their project.

Requirements: Completion of Microbiology (BIOL 2041), Microbiology Lab (BIOL 2042), and approval by the Instructor. Each interested student should fill out an application for admission to this course. Admission is not guaranteed. **Enrollment is limited and applications will be accepted only until the course is full. Applying as soon as possible is highly recommended.**

To apply for this class please provide information below and contact:

UNT-HHMI Programs Coordinator OR Dr. Lee Hughes
Life Sciences A205 Instructor
UNT-HHMI@unt.edu Life Sciences A205
lhughes@unt.edu

**Application**

NAME: _______________________________ UNT ID#: __________________

Mailing Address: _______________________________________________________

Home Phone: _______________________ Cell Phone: _________________________

E-mail address: _______________________

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