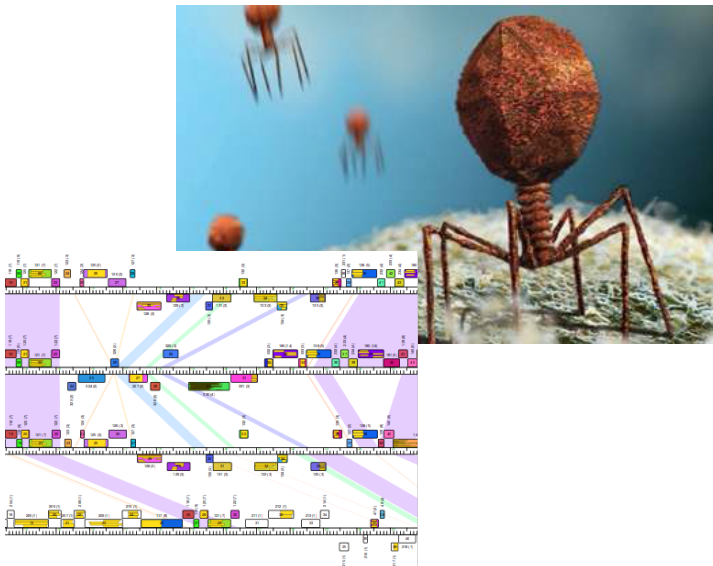


**Fall 2015 – A one semester, 3 credit course in phage discovery & genomics  
Tues & Thurs 8:30 – 11:30 AM**

**Needed:** Bright, motivated students interested in a mentored scientific research experience to help launch their undergraduate career! Honey bees, *Paenibacillus larvae* and bacteriophages are the subjects of interest.

**Overview:**

- A research laboratory and bioinformatics experience for first-year undergraduate students
- New bacteriophages are isolated from the environment, their DNA is sequenced and the genomes examined.



**Student Learning Outcomes:**

1. Plan a research project and analyze results
2. Develop a hypothesis regarding bacteriophages
3. Isolate and study a phage from the environment
4. Quantify, propagate and amplify phage
5. Keep a detailed laboratory notebook
6. Use bioinformatic software for genome annotation
7. Present research in written or oral report format

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