January 10, 2018

Course Title: Systematics lab
Course Number: GBIO 690
Course Website: https://selusys.github.io/SELUSys2018//
Course Date: Spring 2018
Course Meeting Times: Tuesday 1 PM - 3:50 PM
Course Meeting Location: 4th Floor Conference Rooom

Course Faculty: Dr. April Wright
Office: Biology Building 403 (April)
Office Phone: 5556 (April)
Email: april.wright@selu.edu
Office Hours: Monday and Wednesday, 10:45-12:30, Thursday 12:30-2, and by appointment

Course Description This is a 3-unit course. In this course, we will learn to perform a variety of tasks related to the estimation and use of phylogenetic trees. Through hands-on laboratory exercises, students will become proficient at command-line computing and at data manipulation for phylogenetics.

Course Objectives

- Understand why different techniques and software packages are used in phylogenetic tree estimation
- Explain how experimental design and software choice relates to the biological questions being asked
- Use the command line to explore and process biological data
- Describe workflows and software that are appropriate for different phylogenetic work

Assessment A grade of 'C" or better in this course is required to satisfy the curriculum requirements for the College of Science and Technology. There are a total of 400 points in this course. They are distributed as follows:

- Standard Exams

- **Homeworks:** 200 pts
- **Final project:** 100 pts

Grades will be assigned as follows:

A: 270-300 points, B: 240-269 pts, C: 210-239 pts, D: 180-209, F: Below 179 pts

Attendance and Make-Up

Attendance is expected. Homeworks will be posted via the course websited, and turned in via GitHub. Homework will be due every Friday on non-exam weeks. Because they will be available for the entire week before they are due, **no make ups** will be available for assignments unless prior approval is granted.

If you are aware in advance of absences, please let me know. The more information I have, the easier it is for me to accommodate you.

Important Dates

- Feb. 8: Academic Checkpoint 1
- March 9: Academic Checkpoint 2
- March 23, 12:30: Last drop period
- May 4: Last day of classes