TO REGISTER FOR COURSES:

Log into **MyFAU**; Click **FAU Self-Service** (left side of screen); Click **Student Services**. Be sure to **check for holds** prior to registering. For instructions, see http://www.fau.edu/uas/registration.php

Having trouble registering for any courses?

Some courses have restrictions that can be overridden simply by contacting the instructor, which you can do by emailing them. You can find the email of the instructor by clicking on the CRN number of the course in the Banner online course schedule. If you have difficulty contacting the instructor, then notify David Flanigan at flanigan@fau.edu and indicate your Z number and which course number and CRN you want to enroll in and he can try to contact the instructor.

Course Notes for Spring 2022:

BSC4930-03H Honors Molecular Ecology T 1:00-3:50pm (3 credits, Dr. Chaves Fonnegra, **instructor permission needed**) In-person at Harbor Branch or Online (Zoom) at Honors College
This course is an introductory course that focuses on characterizing individuals, populations, and species through molecular variation (Deoxyribonucleic acid- DNA). It includes theory and laboratory sections and provides the basis for DNA analyses in any living organism. Molecular markers will be used to quantify genetic diversity, track movements of individuals, measure inbreeding and characterize new species. You will learn how to use these methods in the laboratory and through computer analyses. These molecular DNA techniques are essential in a wide range of applications from conservation biology to evolutionary ecology and are used frequently to understand which populations are endangered and at risk of inbreeding, solve wildlife forensics, stock assessments, and parentage analysis cases.

BSC 4930 Honors Principles of Behavioral Evolution R 11:00am-2:00pm (3 credits, Dr. Erik Duboué, **instructor permission needed**)
This CURE course will use the blind Mexican cavefish to explore neurobiological bases of the evolution of behavior. Students will learn husbandry of the fish, care of larval animals, assessment of behavior in pure populations as well as hybrid populations, and stain brains for imaging. The latter will require students to learn basic concepts in neurobiology, such as immunohistochemistry, confocal microscopy, and the use of scientific image analysis software. Students will then learn computational assessment of whole-brain patterns of neuronal activity and explore methods for determining functional relationships between behavior and neuronal activity throughout the entire brain. Results from experiments can presented at student poster sessions at symposia and in thesis projects.

HIS 4930 Journalism of Change: How the Press has shaped society and culture W 6-8:50pm (3 credits, Prof. Blevens)

Study and analytical discussion of the historical role of journalism in America, including its current practice, through intensive readings of primary historical sources as well as broad, direct exposure to current news sources.

POS 4932 Public Policy Process R 6-8:50pm (3 credits, Dr. James Capp)
How and why do governments make decisions? Using real-world examples, students will learn about the public policy process and some of the fulfilling career paths that engage governments in decision making. Explore how policy makers and implementers navigate politics and competing values to catalyze change, protect natural resources, promote equity, and create impactful organizations. This class is ideal for students interested in careers in business, government, law, or the non-profit sector. **This course serves as an elective for Political Science and Law and Society as well as a social science distribution elective for the core.**

POS 4932 Women and the Workplace T 6-8:50pm (3 credits, Prof. Borman)
This course will introduce students to the legal issues arising in the workplace with a focus on those issues that impact women. The course will discuss the development of the laws of discrimination in the workplace; explore different perspectives of discrimination and equality; analyze, through case law and readings, the different types of discrimination and how they are proven; and discuss the remedies that both employers and employees have with regard to claims of discrimination. Because this is a relevant topic in light of the #metoomovement, students are encouraged to bring relevant articles to class for additional discussion.

PHI 3692 Honors Artificial Intelligence Ethics MW 4-5:20pm (3 credits, CRN 20281, Prof. Tunick)
Satisfies Core in Global Citizenship-EGV or Hum B
This is a new discussion-based course addressing ethical issues raised by artificial intelligence (AI). In addition to addressing fundamental questions such as whether there are essential differences between a human being and a machine, and how we should go about programming a machine to be ethical, we consider practical issues such as who should be morally and legally responsible if a self-driving car or military drone kills? Should robots be caretakers of the young or old? Will robots replace humans, causing unemployment? What are the ethical issues posed by the use of big data and predictive analytics? The course takes an interdisciplinary approach, drawing on a variety of sources including philosophy, science fiction, film, political theory, and economics. **There are no prerequisites.**

BSC 4930 04H Honors Genome Biology MW 2:00 – 3:20 p.m. (3 credits, Dr. Ericca Stamper)
Biology is currently in the midst of a genomics era; genome-based studies are becoming increasingly integral to many biological fields, ranging from ecology to medicine. This course will cover various topics related to genome biology, including the function, organization, and evolution of genomes. Students will also learn about experimental techniques used to study genome biology. The course will focus on eukaryotic genomes, but will also touch on the genomes of prokaryotes and viruses. Students will read, present, and discuss papers from the scientific literature, including topics related to their particular interests. Throughout the semester, students will gain experience reading primary research articles as we examine landmark studies, as well as the most up-to-date research in the field of genome biology. There are no exams; grades will be based on presentations and weekly assignments. **Prerequisite: PCB 3063 (Honors Genetics)**

ART 4640 Honors Game Studies TR 9-10:50am (3 credits, Prof. Ruest)
Game studies is an emerging interdisciplinary field of study. Game scholars study games, gamers, game cultures as well as games in culture and anything in between. The class provides an introduction to game studies primarily through readings and discussions but also through practical exercises, through playing, and through game-making. **Counts towards minor concentration in Digital Game Development.**