

J TERM 2022 EXPLORATIONS IN THE CORE, SEMINARS, & SPECIAL TOPICS COURSE DESCRIPTIONS

BIO-290-901 Special Topics in Biology: Research in Comparative Genomics (1 credit)

Genomics, the study of complete genomes, is a subdiscipline of biology where genetics, molecular biology, and computational science intersect. Comparative genomics can be used to analyze and annotate a novel segment of genomic DNA sequence data that contains computationally predicted genes. In this course, we will develop skills in bioinformatic analysis by annotating regions in recently sequenced genomes from fruit fly species related to *Drosophila melanogaster*. A continuation of BIO 201 Genetics, this course will engage students in authentic inquiry-driven novel genomics research while developing skills in data analysis, problem-solving and scientific communication (both written and oral). Student-generated gene models that are supported by sufficient evidence and post-hoc analysis may be eligible for a “micropublication” in collaboration with the Genomics Education Partnership (GEP). *Pre-requisite: Completion of BIO-201 with a grade of C- or better.*

COR-350-951 Core Elective: Progress, Modernity, and Urbanization

This course takes the interdisciplinary theme of urbanization and ties it directly to Core themes and issues presented in the 100-level (the self) and the 200-level (the society), to understand how the self interacts within a society – specifically urban societies. We will create a common experience by taking 300-level questions and issues and apply them using ethnographic case studies on the city of Atlanta, allowing students to actively engage with their environment at Oglethorpe University with a variety of media in assignments. Themes will include, but not be limited to: race, class, economy, crime and violence, citizenship and politics, globalization, sustainability, transportation, gentrification, and segregation. This course is a C-elective offering, or an alternative to one of the standard, sequenced junior-level COR 301/302 courses, building on the training the students received in the first two years of Core. *Prerequisites: COR-101, COR-102, COR-201, and COR-202.*

FMS-290-901 Special Topics in Film and Media Studies: Short Film Production

The objective of this course is to further the students' knowledge of the tools, language, resources, and techniques that are necessary to create an effective short film. Students will refine their skillsets in production techniques including cinematography, lighting, and audio recording, and postproduction techniques including digital audio and video editing, graphics, and special effects. To accomplish this, students will be required to participate in a series of assignments that will develop into a short film that utilizes the skills and techniques studied in class. *This course includes a \$100 film studies fee for the technology and equipment utilized in the course.*

INT-290-9021 Special Topics in Interdisciplinary Studies: Building a 21st Century Career: Identity and an Examined Professional Life

Assuming no specific disciplinary background, the course explores what it means to build and maintain a career today. The course investigates how careers have transformed and continue to change in a world of work informed by diversity, globalization, climate change, sustainability, social media, technology, and automation. The course is both a practical primer on the basic skills of career building as well as an opportunity to explore the connection between personal identity and professional life.

INT-290-971 Special Topics in Interdisciplinary Studies: Introduction to Anthropology

This course examines the evolution of hominids, scientific dating and excavation methods, paleo-anthropological discoveries, artifacts, depicting the rise of culture, and the rise of modern human. In addition, this course is taught in an interdisciplinary and cross-cultural format; anthropology is both a science and a humanities, exploring race, gender, sexual/marital customs, art as artifact, the supernatural, death rituals, material culture and technological change and global issues as the foundations for understanding humans.