PROPOSED NEW CAS COURSES  
ARTS & SCIENCES FACULTY MEETING  
November 16, 2022

Natural Sciences and Social Sciences Curriculum Committees

**Proposed new courses**

**CAS EC 221:** Intermediate Microeconomic Theory  
Instructor: TBA  
4 credits  
Prerequisites: CAS EC 101, CAS EC 102, and CAS MA 225  
A mathematically rigorous approach to intermediate microeconomic theory.

**CAS EC 222:** Intermediate Macroeconomic Theory  
Instructor: Andre Switala  
4 credits  
Prerequisites: CAS EC 101, CAS EC 102, and CAS MA 225  
A mathematically rigorous approach to intermediate macroeconomic theory.

**CAS EC 223:** Statistical Analysis  
Instructor: Jordi Jaumandreu  
4 credits  
Prerequisites: CAS EC 101, CAS EC 102, and CAS MA 225  
This is an introductory mathematical statistics course, covering probability theory, statistical inference and an introduction to regression analysis. The course aims at providing students with the necessary background to progress to higher level econometrics and applied economics courses.

**CAS EC 224:** Econometric Analysis  
Instructor: TBA  
4 credits  
Prerequisites: CAS EC 101, CAS EC 102, CAS MA 225, and CAS MA 242  
Standard econometric methods for empirical economic research, developed in a mathematically rigorous framework using linear algebra.

**CAS EC 406:** Applied Econometrics: Cross-Sectional  
Instructor: TBA  
4 credits  
Prerequisites: CAS EC 203 (or EC 303) and CAS EC 204 (or EC 304). and CAS WR 100 or 120 (First Year Writing Seminar)  
Studies cross-sectional modeling and its applications. Covers estimation, inference and forecasting in univariate and multivariate models for cross-sectional data. The emphasis is on data analysis using Stata.

Natural Sciences Curriculum Committee

**Proposed new courses**

**CAS BI 331:** Physiology of Sex and Human Reproduction  
Instructor: Elizabeth Co
4 credits  
Prerequisites: CAS BI 315 or CAS BI 211, or similar physiology course

In this course we learn the physiological mechanisms behind fertility, gametogenesis, copulation, pregnancy, and birth. We explore the impacts of biological reproduction on the body and we connect these topics to our everyday world. We utilize diverse perspectives and language in this class. Class time is split between active learning and lecture time. Grades are based on daily work, quizzes, and presentations

CAS BI 507 / CAS WS 507: Diversity of Sex  
Instructor: Karen Warkentin  
4 credits  
Prerequisites: senior or graduate standing, CAS WR 120 or equivalent, and at least one of the following courses or equivalent: CAS BI 225, BI309, BI 315, BI 407, or BI 410; or consent of instructor

Examines the integrative and comparative biology of sex and sexes based on readings drawn from recent primary literature, review papers, and book chapters.

CAS BI 511: Coral Reef Fishes  
Instructor: Peter Buston  
4 credits  
Prerequisites: admission to the Marine Semester and consent of instructor

Introduces the ecology, evolution, and behavior of coral reef fishes, with a special focus on the coral reef fishes of Belize. Students are introduced to the organisms, the environments, and key concepts in behavioral, population, and community ecology.

Social Sciences Curriculum Committee  
Proposed new courses

CAS IR 569: Race in Africa  
Instructor: Zachary Mondesire  
4 credits  
Prerequisites: junior or senior standing

How do we recognize when race has been on the scene? This course explores race in Africa through analyzing the multiple formations of racial and ethnic differentiation on the continent and the various methods people have developed to understand them.

CAS PO 375: Democracy and Protest in the Global South  
Instructor: Marcus Walton  
4 credits  
Prerequisites: none

Course explores roots, dynamics, and implications of recent popular protests both for democracy (e.g. 2011 Arab Spring) as well as challenges to established democracies (e.g. South Africa, Brazil). Focus on North and Sub-Saharan Africa, Latin America, and Asia

CAS PO 573: Decolonization and Democracy in Africa  
Instructor: Marcus Walton  
4 credits  
Prerequisites: none
Course looks at comparative legacies of colonialism, race, and decolonization in North and Sub-Saharan Africa and their implications for democracy and inequality today. Focus on incorporating African scholars and voices in addressing comparative social science questions.