SOCIAL SCIENCE (SSCI)

SSCI 008 Introduction to Data Science   **4unit(s)**
Hours: 4 Lecture/Discussion
Equivalent Course: SSCI 108
Introduction to Data Science is a survey course introducing the essential elements of data science. Topics include: data collection and management, summarizing and visualizing data, basic statistical inference, and machine learning. Students will also gain experience using a computer programming language (e.g. R, Python, etc.) to carry out basic statistical modeling and analysis.
Advisory on Recommended Preparation: MATH 230 or equivalent college course with a minimum grade of C.

SSCI 025 Statistics - Social Sciences   **4unit(s)**
Hours: 4 Lecture/Discussion
The course offers an introduction to the appropriate use of statistical techniques across a wide variety of disciplines including the use of probability, hypothesis testing, and predictive techniques to facilitate decision-making. Other topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. The role of quantitative methods in social science research is emphasized. (C-ID SOCI 125 or C-ID MATH 110)
Prerequisites: MATH 230 or equivalent college course with a minimum grade of C or eligibility as determined by COS Placement Procedures (https://catalog.cos.edu/placement-procedures/).

SSCI 050 Law and Democracy   **3unit(s)**
Hours: 3 Lecture/Discussion
This course provides an overview of the American legal system including its development, structure and history. The course will review the legal and judicial process in the United States covering the adversarial system, jurisdiction of federal and state courts, and the general process of judicial review. Explanation of different sources of law including statutes, court cases and administrative agency rules. Review of basic legal reasoning and introductory research methods. Introduction to civil law, criminal law, family law, real property law, contracts, employment, immigration, intellectual property, and other areas of law. Also included is a review of the principles of legal ethics.
Advisory on Recommended Preparation: POLS 005 or equivalent college course with a minimum grade of C.

SSCI 121 Civic Learning   **1unit(s)**
Hours: 1 Lecture/Discussion
This course requires students to get hands-on experience and strengthen ties in the community, specifically related to the legal field. Possible examples include: voter information drives, volunteering at a legal service office or other law-related agencies, working on development of legislation and advocacy for public policies.

SSCI 325 Support for Statistics - Social Sciences   **1unit(s)**
Hours: 1 Lecture/Discussion
Co-requisite support for SSCI 025 Statistics - Social Sciences. This 1-unit course is intended to provide co-requisite support for students requiring remediation in mathematics while they are concurrently enrolled in SSCI 025.
Corequisites: Concurrent enrollment in SSCI 025.