

# BSOS - BEHAVIORAL AND SOCIAL SCIENCES

---

**BSOS438 Special Topics in Study Abroad IV (1-6 Credits)**

Special topics course taken as part of an approved study abroad program.

**Repeatable to:** 15 credits if content differs.

**BSOS448 Teaching Assistant Practicum (1-6 Credits)**

Supervised practicum for teaching assistants for BSOS/UNIV courses.

**Repeatable to:** 9 credits.

**BSOS678 Special Topics in Justice Leadership (3 Credits)**

Crime and Criminal Justice in Vietnam. Issues that will be focused on the present situation of crime in Vietnam; causes and conditions of criminal activities; include crime forecasting and crime prevention in Vietnam.

Also, provides comprehensive overview on the Criminal Justice System in Vietnam and relations among authorities.

**Repeatable to:** 18 credits if content differs.

**BSOS685 Big-Data Analysis on the BSOS HPC Cluster (2 Credits)**

Social media are a primary source of information on social interaction and personal interests. High-performance computing (HPC) is employed to search for hidden pattern and unknown correlations using advanced machine-learning algorithms available in python and R packages. The main steps of Natural Language Processing and big-data analysis are being worked out, from examining random samples to analyzing large data sets via in-memory Monte-Carlo applications and neural networks.

**Prerequisite:** Students must have completed a least one college-level statistics course.

**Recommended:** A working knowledge of python or R is expected.

**Restriction:** Students must be enrolled in a BSOS graduate program; or permission of instructor.

**Credit Only Granted for:** BSOS385, BSOS685, or BSOS688B.

**Formerly:** BSOS688B.