

SAS Coding and Data Analytics

Last Updated: Mon, 08/11/2025

Course prefix: ECON

Course number: 4803

Section: AS1

CRN (you may add up to five):

93254

Instructor First Name: Aselia

Instructor Last Name: Urmanbetova

Semester: Fall

Academic year: 2025

Course description:

This comprehensive SAS programming course is specially designed for both undergraduate and graduate students seeking to build strong foundations in data manipulation, analysis, and reporting with applications in economics, statistics, and data analysis. The program also includes training in SQL implementation within SAS and Python integration through SAS Viya, providing students with a versatile set of technical skills. The program focuses on developing practical, applied data skills through hands-on programming experience with industry-standard SAS software.

Course learning outcomes:

- Build a strong foundation in SAS programming
- Develop skills to manipulate economic and statistical data effectively
- Perform complex queries and econometric analyses
- Create professional economic reports and visualizations
- Apply statistical methods to economic problems
- Gain industry-recognized certifications

Required course materials:

All course materials are developed in cooperation with the SAS Institute and provided free of charge.

Grading policy:

Grading Structure

The course uses specifications grading based on the number of certification tracks completed:

Undergraduate Students:

- A: Complete 3-4 certification tracks
- B: Complete 2 certification tracks
- C: Complete 1 certification track

Graduate Students:

- A: Complete all 4 certification tracks
- B: Complete 3 certification tracks
- C: Complete 2 certification tracks

Attendance policy:

This is a fully flipped course and regular class attendance is essential for successful learning outcomes.

Academic honesty/integrity statement:

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.