



Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

Semester: Spring

Course Prefix: POLS

Course Title: Political Analysis II

Year: 2025

Course and Section #: 3010-X01

Credits: 3

Course Description

Covers advanced political data analysis techniques, including: advanced multiple regression analysis and diagnostics, measurement reliability and validity, the use of statistical-analysis software and presentation of analysis results.

Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

Instructor Information

Instructor Name: Dr. Jay DeSart

Student Learning Outcomes

- Perform advanced data analysis on empirical data using statistical-analysis software
 - Analyze data using appropriate statistical methods
 - Evaluate regression models for model fit and assumptions
 - Construct reliable and valid operationalizations
 - Present data analysis results effectively
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Course Materials and Texts

- Computer
 - George, Darren and Paul Mallery. *IBM SPSS Statistics 29 Step by Step: A Simple Guide and Reference*. 18th Edition. Routledge.
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Course Requirements

Course Assignments, Assessments, and Grading Policy

Homework: Weekly computer assignments related to topics under study (25% of overall grade total)

Exams: Two unit exams similar to homework assignment problems.

Exams are open book, open notes, but time-limited (50% of overall grade total)

Final Presentation: Presentation utilizing the data analysis and visualization skills learned (25% of overall grade)

Grading Scale

A = 92.5-100	B - = 79.5-82.4	D+ = 66.5-69.4
A - = 89.5-92.4	C+ = 76.5-79.4	D = 62.5-66.4
B+ = 86.5-89.4	C = 72.5-76.4	D - = 59.5-62.4
B = 82.5-86.4	C - = 69.5-72.4	F = 0-59.4

Required or Recommended Reading Assignments

Instructions for Accessing SPSS (Instructor authored OER)

Regression Analysis (Instructor authored OER)

The Levels of Measurement (Instructor authored OER)

Regression Problems: Heteroscedasticity (Instructor authored OER)

Regression Problems: Multicollinearity (Instructor authored OER)

Dummy Variables (Instructor authored OER)

Logistic Regression (Instructor authored OER)

Introduction to Factor Analysis (Instructor authored OER)

Factor Rotation (Instructor authored OER)

Reliability Analysis (Instructor authored OER)

Data Visualization Principles (Instructor authored OER)

IBM SPSS Statistics Step by Step – Chapter 1

IBM SPSS Statistics Step by Step – Chapter 2

IBM SPSS Statistics Step by Step – Chapter 3

IBM SPSS Statistics Step by Step – Chapter 15

IBM SPSS Statistics Step by Step – Chapter 16

General Description of the Subject Matter of Each Lecture or Discussion

Re-introduction to Correlation and Crosstabulation

Regression Basics

A Different View of Statistical Significance – Confidence Intervals of Regression Coefficients

Heteroscedasticity

Multicollinearity

Non-Linear Relationships

Logistic Regression

Review of Measurement Validity

Review of Measurement Reliability

Data Visualizations

Bar Charts, Slope Charts, Box Plots, Effect Size Charts

Producing a PowerPoint Video Presentation

Required Course Syllabus Statements

Generative AI

Your work should be your own. The use of an Artificial Intelligence (AI) service to generate responses for any assignments or exams does not demonstrate your understanding of the material. Therefore, its use is strictly prohibited. Your answers will be checked with an AI/plagiarism detector. If detected, the penalty for a first offense is you will receive a score of 0 for each response. A second offense will result in a failing grade for the course and you will be reported to Student Affairs for Academic Misconduct.

Using Remote Testing Software

This course does not use remote testing software.

This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.