

PS2325F: Research Design in Political Science

Department of Political Science – Western University, Fall 2022
Tuesday 3:30pm-5:30pm, Talbot College (TC) 141

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Course description

This course introduces students to basic concepts and methods of research in the social sciences and, in particular, in political science. Students will learn about how the scientific method of research can be applied to the study of human behaviour, adopting both qualitative or quantitative methods of analysis. In the first part of the course, students will learn about how to identify research questions and conduct literature reviews. In this same section, we will discuss questions related to research ethics and how such concerns can affect the kinds of questions one can ask and how other questions can be answered empirically. Next, we will discuss questions related to argumentation. These include defining clear concepts of interest and proposing strong arguments for building theories that will subsequently be evaluated with data. The following section covers how researchers go about choosing among methods of analysis and how cases are selected to adequately evaluate their research questions. Finally, the course will cover a series of commonly used qualitative and quantitative methods of analysis, including interviews, focus groups, surveys, and experiments.

Required course text

Brancati, D. 2018. *Social Scientific Research*. Sage. (hereafter Brancati)

Course objectives

- Explain the goals, subjects, and orientation of social science research; identify the steps in the scientific method;
- Present the ethical concerns surrounding the use of human subjects; detail the ethical issues regarding publication like transparency, credit stealing and others;
- Introduce criteria for identifying a good research topic; identify ways research can make theoretical and empirical contributions; suggest ways to find inspiration for research;
- Describe the purpose and content of a literature review; discuss how to summarize and synthesize research for a literature review;
- Define concepts and their importance to research; describe the steps involved in building effective concepts;
- Differentiate between deductive and inductive reasoning; define necessary, sufficient, and (neither) necessary and (nor) sufficient conditions; examine different directions through which explanatory factors influence outcomes; identify common mistakes in causal arguments;
- Describe the attributes of qualitative and quantitative research; define hypothesis building, hypothesis testing, causal inference, generalizability, and replicability;

- Develop an objectives-based typology of mixed methods research designs; compare and contrast each of the objectives presented in this typology, namely design, concatenation, gap-filling, triangulation, and interpretation;
- Discuss why and how the number of cases included in a study matters; define and describe random and non-random sampling methods; explain selection bias and the problems that it represents for research;
- Differentiate among types of interview and interview modes; describe the strengths and weaknesses of interviews for theory building and theory testing;
- Discuss the utility of focus groups for hypothesis building and hypothesis testing;
- Identify different types of measures according to their response categories; describe the criteria used to evaluate measurement quality; define random and systematic measurement error and the problems each represent for research;
- Compare and contrast observational and non-observational data; provide criteria with which to evaluate data quality and present techniques for identifying high quality data;
- Identify the different types of surveys used in social science research; provide guidance on designing survey questionnaires; identify types of survey modes and their appropriateness for certain respondents;
- Identify the different types of experiments used in social science research; discuss the strengths and weaknesses of experiments vis-à-vis other research methods; present the criteria commonly used to evaluate the quality of experiments;
- Define the key features of observational studies; present the advantages and disadvantages of observational studies vis-à-vis other research methods; discuss the difficulty of causal inference in observational studies and the techniques available to address it.

Student assessment

Students will be assessed through 6 assignments (each worth 5% of the final grade), a midterm (35%) in class on **October 25**, and a final exam (35%) **during the final exam period (time and day to be determined)**. Assignments will be posted on OWL. No late assignments will be accepted.

Due dates for assignments

- #1: September 19, 11:55pm;
- #2: October 3, 11:55pm;
- #3: October 24, 11:55pm;
- #4: November 21, 11:55pm;
- #5: November 28, 11:55pm;
- #6: December 5, 11:55pm.

Topics and readings

Week #1 (September 13): Course Introduction

Review of syllabus and class organization.
 ◇ Chapter 1 *What is Social Science Research?*

Week #2 (September 20): Research Ethics

- ◇ Chapter 2 *Research Ethics*

Week #3 (September 27): Research Questions and Literature reviews

- ◇ Chapter 3 *Identifying a Research Question*
- ◇ Chapter 4 *Conducting a Literature Review*

Week #4 (October 4): Argumentation

- ◇ Chapter 5 *Building Effective Concepts*
- ◇ Chapter 6 *Making Strong Arguments*

Week #5 (October 11): Method Selection and Mixed Methods Research

- ◇ Chapter 7 *Method Selection*
- ◇ Chapter 8 *Mixed Methods Research*

Week #6 (October 18): Case Selection

- ◇ Chapter 9 *Case Selection*

Week #7 (October 25): In-class Midterm Exam

Week #8 (November 1): NO CLASS: Fall break reading week

Week #9 (November 8): Interviews and Focus Groups

- ◇ Chapter 10 *Interviews*
- ◇ Chapter 11 *Focus Groups*

Week #10 (November 15): Quantitative Measures and Data

- ◇ Chapter 15 *Quantitative Measures*
- ◇ Chapter 16 *Quantitative Data*

Week #11 (November 22): Surveys

- ◇ Chapter 18 *Surveys*

Week #12 (November 29): Experiments

- ◇ Chapter 19 *Experiments*

Week #13 (December 6): Observational Studies

- ◇ Chapter 20 *Observational Studies*

APPENDIX TO UNDERGRADUATE COURSE OUTLINES DEPARTMENT OF POLITICAL SCIENCE

Prerequisite checking - the student's responsibility

"Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites."

Essay course requirements

With the exception of 1000-level courses, most courses in the Department of Political Science are essay courses. Total written assignments (excluding examinations) will be at least 3,000 words in Politics 1020E, at least 5,000 words in a full course numbered 2000 or above, and at least 2,500 words in a half course numbered 2000 or above.

Use of Personal Response Systems ("Clickers")

"Personal Response Systems ("clickers") may be used in some classes. If clickers are to be used in a class, it is the responsibility of the student to ensure that the device is activated and functional. Students must see their instructor if they have any concerns about whether the clicker is malfunctioning. Students must use only their own clicker. If clicker records are used to compute a portion of the course grade:

- the use of somebody else's clicker in class constitutes a scholastic offence,
- the possession of a clicker belonging to another student will be interpreted as an attempt to commit a scholastic offence."

Security and Confidentiality of Student Work (refer to current *Western Academic Calendar* <http://www.westerncalendar.uwo.ca/>)

"**Submitting or Returning Student Assignments, Tests and Exams** - All student assignments, tests and exams will be handled in a secure and confidential manner. Particularly in this respect, leaving student work unattended in public areas for pickup is not permitted."

Duplication of work

Undergraduate students who submit similar assignments on closely related topics in two different courses must obtain the consent of both instructors prior to the submission of the assignment. If prior approval is not obtained, each instructor reserves the right not to accept the assignment.

Grade adjustments

In order to ensure that comparable standards are applied in political science courses, the Department may require instructors to adjust final marks to conform to Departmental guidelines.

Academic Offences

"Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

Submission of Course Requirements

ESSAYS, ASSIGNMENTS, TAKE-HOME EXAMS MUST BE SUBMITTED ACCORDING TO PROCEDURES SPECIFIED BY YOUR INSTRUCTOR (I.E., IN CLASS, DURING OFFICE HOURS, TA'S OFFICE HOURS) OR UNDER THE INSTRUCTOR'S OFFICE DOOR.

THE MAIN OFFICE DOES NOT DATE-STAMP OR ACCEPT ANY OF THE ABOVE.

Attendance Regulations for Examinations

EXAMINATIONS/ATTENDANCE (Sen. Min. Feb.4/49, May 23/58, S.94, S.3538, S.3632, S.04-097) A student is entitled to be examined in courses in which registration is maintained, subject to the following limitations: 1) A student may be debarred from writing the final examination for failure to maintain satisfactory academic standing throughout the year. 2) Any student who, in the opinion of the instructor, is absent too frequently from class or laboratory periods in any course will be reported to the Dean of the Faculty offering the course (after due warning has been given). On the recommendation of the Department concerned, and with the permission of the Dean of that Faculty, the student will be debarred from taking the regular examination in the course. The Dean of the Faculty offering the course will communicate that decision to the Dean of the Faculty of registration.

Absences from Final Examinations

If you miss the Final Exam, please contact the Academic Counselling office of your Faculty of Registration as soon as you are able to do so. They will assess your eligibility to write the Special Examination (the name given by the University to a makeup Final Exam).

You may also be eligible to write the Special Exam if you are in a "Multiple Exam Situation" (e.g., more than 2 exams in 23-hour period, more than 3 exams in a 47-hour period).

Note: Missed work can *only* be excused through one of the mechanisms above. Being asked not to attend an in-person course requirement due to potential COVID-19 symptoms is **not** sufficient on its own. Students should check the Western website to see what directives for Covid are to be followed. Western has been and will continue to follow directives established by the Middlesex-London Health Unit. That directive will state whether students should or should not come to campus/class and any other requirements (e.g., masks are mandatory). Please check on your own and do not email the instructor, the Department Undergraduate Advisor/Coordinator or the Faculty of Social Science Academic Counselling Office.

Accommodation and Accessibility

Religious Accommodation

When a course requirement conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request accommodation for their absence in writing at least two weeks prior to the holiday to the course instructor and/or the

Academic Counselling office of their Faculty of Registration. Please consult University's list of recognized religious holidays (updated annually) at

<https://multiculturalcalendar.com/ecal/index.php?s=c-univwo>.

Accommodation Policies

Students with disabilities are encouraged to contact Accessible Education, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The policy on Academic Accommodation for Students with Disabilities can be found at:

[https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic Accommodation_disabilities.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Accommodation_disabilities.pdf).

Academic Policies

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy,

https://www.uwo.ca/univsec/pdf/policies_procedures/section1/mapp113.pdf,

the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at their official university address is attended to in a timely manner.

During exams/tests/quizzes, no electronic devices (e.g. a phone, laptop, iPad) are allowed and must be powered down and stored out of reach.

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf.

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>).

Computer-marked multiple-choice tests and exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

If a course uses remote proctoring, please be advised that you are consenting to the use of this software and acknowledge that you will be required to provide **personal information** (including

some biometric data) and the session will be **recorded**. Completion of a course with remote proctoring will require you to have a reliable internet connection and a device that meets the technical requirements for this service. More information about this remote proctoring service, including technical requirements, is available on Western's Remote Proctoring website at:

<https://remoteproctoring.uwo.ca>.

Support Services

Please visit the Social Science Academic Counselling webpage for information on adding/dropping courses, academic considerations for absences, appeals, exam conflicts, and many other academic related matters: [Academic Counselling - Western University \(uwo.ca\)](https://www.uwo.ca/academic_counselling/)

Students who are in emotional/mental distress should refer to Mental Health@Western (<https://uwo.ca/health/>) for a complete list of options about how to obtain help.

Western is committed to reducing incidents of gender-based and sexual violence and providing compassionate support to anyone who has gone through these traumatic events. If you have experienced sexual or gender-based violence (either recently or in the past), you will find information about support services for survivors, including emergency contacts at

https://www.uwo.ca/health/student_support/survivor_support/get-help.html.

To connect with a case manager or set up an appointment, please contact support@uwo.ca.

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Accessible Education at

http://academicsupport.uwo.ca/accessible_education/index.html

if you have any questions regarding accommodations.

Learning-skills counsellors at the Learning Development and Success Centre (<https://learning.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Western University is committed to a thriving campus as we deliver our courses in the mixed model of both virtual and face-to-face formats. We encourage you to check out the Digital Student Experience website to manage your academics and well-being: <https://www.uwo.ca/se/digital/>.

Additional student-run support services are offered by the USC, <https://westernusc.ca/services/>.

Plagiarism:

Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence." (see Scholastic Offence Policy in the Western Academic Calendar).

Plagiarism Checking: "All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>)."

Multiple-choice tests/exams: "Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating."

Note: Information excerpted and quoted above are Senate regulations from the Handbook of Scholarship and Academic Policy. https://www.uwo.ca/univsec/academic_policies/index.html

PLAGIARISM*

In writing scholarly papers, you must keep firmly in mind the need to avoid plagiarism. Plagiarism is the unacknowledged borrowing of another writer's words or ideas. Different forms of writing require different types of acknowledgement. The following rules pertain to the acknowledgements necessary in academic papers.

A. In using another writer's words, you must both place the words in quotation marks and acknowledge that the words are those of another writer.

You are plagiarizing if you use a sequence of words, a sentence or a paragraph taken from other writers without acknowledging them to be theirs. Acknowledgement is indicated either by (1) mentioning the author and work from which the words are borrowed in the text of your paper; or by (2) placing a footnote number at the end of the quotation in your text, and including a correspondingly numbered footnote at the bottom of the page (or in a separate reference section at the end of your essay). This footnote should indicate author, title of the work, place and date of publication, and page number.

Method (2) given above is usually preferable for academic essays because it provides the reader with more information about your sources and leaves your text uncluttered with parenthetical and tangential references. In either case words taken from another author must be enclosed in quotation marks or set off from your text by single spacing and indentation in such a way that they cannot be mistaken for your own words. Note that you cannot avoid indicating quotation simply by changing a word or phrase in a sentence or paragraph which is not your own.

B. In adopting other writers' ideas, you must acknowledge that they are theirs.

You are plagiarizing if you adopt, summarize, or paraphrase other writers' trains of argument, ideas or sequences of ideas without acknowledging their authorship according to the method of acknowledgement given in 'A' above. Since the words are your own, they need not be enclosed in quotation marks. Be certain, however, that the words you use are entirely your own; where you must use words or phrases from your source, these should be enclosed in quotation marks, as in 'A' above.

Clearly, it is possible for you to formulate arguments or ideas independently of another writer who has expounded the same ideas, and whom you have not read. Where you got your ideas is the important consideration here. Do not be afraid to present an argument or idea without acknowledgement to another writer, if you have arrived at it entirely independently. Acknowledge it if you have derived it from a source outside your own thinking on the subject.

In short, use of acknowledgements and, when necessary, quotation marks is necessary to distinguish clearly between what is yours and what is not. Since the rules have been explained to you, if you fail to make this distinction your instructor very likely will do so for you, and they will be forced to regard your omission as intentional literary theft. Plagiarism is a serious offence which may result in a student's receiving an 'F' in a course or, in extreme cases in their suspension from the University.

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Adopted by the council of the Faculty of Social Science, October, 1970; approved by the Dept. of History August 13, 1991