

**THE UNIVERSITY OF TEXAS AT AUSTIN
SCHOOL OF SOCIAL WORK
QUANTITATIVE RESEARCH METHODS I**

Course Number:	SW 388R	Instructor's name:	Catherine Cubbin, PhD
Unique Number:	59715	Office Number:	SSW 3.208GA
Semester:	Fall 2020	Office Phone:	512-232-0625
Meeting Time:	Tues 9:00am-12:00pm	Office Hours:	By appointment
Meeting Place:	Zoom, Virtual	Instructor's email:	ccubbin@austin.utexas.edu

I. Course Description

This is the first in a series of research courses required for social work doctoral students. This course introduces students to the basic elements of research design in the social sciences with particular attention to social work research.

II. Course Objectives

At the end of this course, students should:

1. Have knowledge of aspects of epistemology relevant to the social sciences, especially social work;
2. Have working knowledge of the language of research in order to use research terminology precisely and accurately;
3. Know the elements and phases of research;
4. Be able to evaluate the quality of research done by others;
5. Have increased facility in designing research, especially in aspects preceding data analysis;
6. Have increased knowledge of tools useful in planning, conducting, and reporting the results of research such as data collection instruments and publication formats;
7. Have increased knowledge of the type of writing needed to describe research designs and report findings;
8. Be familiar with standards for the ethical conduct of research, including human subjects protection, and their relationship to the social work value base;
9. Be familiar with gender and ethnic sensitivity in conducting research;
10. Understand the impact of political and other ideological forces on social work research and program evaluation.

III. Teaching Methods

This course is designed to include a variety of teaching and learning methodologies to achieve the course objectives. These methods intentionally draw on diverse pedagogical approaches to be inclusive of a variety of learning styles; activities include lectures & group discussions, guest lectures, in-class & at-home exercises, readings, short videos, group activities, and class discussions of the assigned readings. This course encourages students to engage in new ways of critical thinking that may be represented by the readings, instructor, and classmates from diverse backgrounds. Students will be expected to have done the assigned reading before class and to actively participate in class.

II. Required Text and Readings (Students are responsible for the material in the assigned readings whether or not the material is discussed in class.)

Required text:

Rubin, A. & Babbie, E. (2010, 2013, 2016). *Research methods for social work*, 7th, 8th, or 9th edition, Belmont, CA: Brooks/Cole.

Recommended texts:

Zuberi, T. & Bonilla-Silva, E., eds. (2008). *White Logic, White Methods: Racism & Methodology*. Rowman & Littlefield Publishers, Inc., Lanham, MD.

Kuhn, T.S. (1970). *The Structure of Scientific Revolutions* (2nd edition). University of Chicago Press, Chicago, IL.

Required articles: The following articles will be available on the course Canvas site. Additional articles may be posted during the semester. The reading list for this course was designed to represent the perspectives of diverse scholars, to include issues of diversity and inclusion in designing and conducting research, and to expose students to diverse methods of conducting quantitative research.

Bailey, Z.D., Krieger, N., Agenor, M., Graves, J., Linos, N., & Bassett, M.T. Structural racism and health inequities in the USA: Evidence and interventions. *Lancet* 2017;389:1453-1463.

Baron, R.M. and Kenny, D.A. The Moderator-Mediator Variable Distinction in Social Psychological Research: Conceptual, Strategic, and Statistical Considerations. *Journal of Personality and Social Psychology* 1986;51:1173-1182.

Benjamin R. Assessing risk, automating racism. (2019). *Science* 366;6464:421-422.

Braveman, P. What are health disparities and health equity? We need to be clear. *Public Health Reports* 2014;129(Supplement 2):5-8.

Braveman, P. A., Cubbin, C., Egerter, S., Chideya, S., Marchi, K. S., Metzler, M., & Posner, S. Socioeconomic status in health research: one size does not fit all. *JAMA* 2005;294(22):2879-2888.

Comfort, N. Sociogenomics is opening a new door to eugenics. *MIT Technology Review*, October 23, 2018.

Curtin, P.D. The slavery hypothesis for hypertension among African Americans: The historical evidence. *American Journal of Public Health* 1992;82:1681-1686.

Eligon, J. & Gebeloff, R. (2016). Affluent and black, and still trapped by segregation. *The New York Times*, Retrieved from http://www.nytimes.com/2016/08/21/us/milwaukee-segregation-wealthy-black-families.html?mwrsm=Email&_r=0

Faye Carter, D. & Hurtado, S. Bridging key research dilemmas: Quantitative research using a critical eye. *New Directions for Institutional Research* 2007;133:25-35.

Floyd, L., Sobell, M., Velasquez, M.M., Nettleman, M., Sobell, L., Dolan Mullen, P., von Sternberg, K., Skarpness, B & Nagaraja, J., and the Project Choices Efficacy Study Group. Preventing Alcohol Exposed Pregnancies: A randomized controlled trial. *American Journal of Preventive Medicine* 2006;32(1):1-10.

Garcia, N.M., Lopez, N., & Velez, V.N. QuantCrit: Rectifying quantitative methods through critical race theory. *Race Ethnicity and Education* 2018;21(2):149-157.

Gelfand, A. Flood of injustice. Hopkins Bloomberg Public Health, Fall 2018.

Gemmill A, Catalano R, Casey JA, et al. Association of Preterm Births Among US Latina Women With the 2016 Presidential Election. *JAMA Network Open*. Published online July 19, 2019;2(7):e197084. doi:10.1001/jamanetworkopen.2019.7084

Greco, J. Confronting Denial. *The Pennsylvania Gazette*, March-April, 2018.

Krieger, N. (2020). Measures of racism, sexism, heterosexism, and gender binarism for health equity research: from structural injustice to embodied harm—an ecosocial analysis. *Annu Rev Public Health* 41;4.1-4.26.

- Krieger, N. Williams, D.R., & Moss, N.E. Measuring social class in U.S. public health research: Concepts, Methodologies, and Guidelines. *Annual Review of Public Health* 1997;18:341-378.
- Legewie, J. (2019). Police violence and the health of black infants. *Sci Adv* 5: eaax7894.
- Malat, J., Mayorga-Gallo, S., Williams, D.R. The effects of whiteness on the health of whites in the USA. *Social Science and Medicine* 2018;199:148-156.
- Margerison-Zilko, C., Cubbin, C., Jun, J., Marchi, K., Fingar, K., & Braveman, P. (2015). Beyond the cross-sectional: neighborhood poverty histories and preterm birth. *American Journal of Public Health*, 105(6), 1174-1180.
- Montoya-Williams D, Fuentes-Afflick E. Political Determinants of Population Health. *JAMA Network Open*. Published online July 19, 2019;2(7):e197063. doi:10.1001/jamanetworkopen.2019.7063.
- Obermeyer Z, Powers B, Vogeli C, Mullainathan S. (2019). Dissecting racial bias in an algorithm used to manage the health of populations. *Science* 366: 447-453.
- Paul K. Healthcare algorithm used across America has dramatic racial biases. *The Guardian*, October 25, 2019.
- The Project CHOICES Research Group. Alcohol-exposed pregnancy: Characteristics associated with risk. *American Journal of Preventive Medicine* 2002;23(3):166-173.
- The Project Choices Intervention Research Group. Reducing the risk of alcohol-exposed pregnancies: a study of a motivational intervention in community settings. *Pediatrics* 2003;111(5):1131-1141.
- Rubin, A., & Parrish, D. Validation of the Evidence-Based Practice Process Assessment Scale. *Research on Social Work Practice* 2011:106-118.
- Saini, A. The disturbing return of scientific racism. *Wired*, 6/12/19.
- Tessum CW, Apte JS, Goodkind AL, Muller NZ, Mullins KA, Paoletta DA, Polasky S, Springer NP, Thakrar SK, Marshall JD, Hill JD. Inequity in consumption of goods and services adds to racial-ethnic disparities in air pollution exposure. *Proc Natl Acad Sci*. 2019;116(13):6001-6006.
- Villarosa, L. Myths about physical racial differences were used to justify slavery – and are still believed by doctors today. *The New York Times Magazine*, August 14, 2019.
- Wan, W. & Bever, L. Trump’s Presidency may be making Latinos sick. *The Washington Post*, July 19, 2019.
- Weiss, T., & Berger, R. (2006). Reliability and validity of a spanish version of the posttraumatic growth inventory. *Research on Social Work Practice*, 16(2), 191-199. doi:10.1177/1049731505281374
- Zuberi, T. & Bonilla-Silva, E., eds. (2008). *White Logic, White Methods: Racism & Methodology*, Chapter 1. Rowman & Littlefield Publishers, Inc., Lanham, MD.

III. Websites that are relevant to this course

<http://www.campbellcollaboration.org>

(meta analysis of the effects of interventions in the social, behavioral, crime and justice, and educational arenas)

<http://www.cochraneflibrary.com>

(meta analysis of the effects of health and mental health interventions)

<http://evidencebasedprograms.org>

(Social programs that work)

<https://www.samhsa.gov/nrepp>

(Evidence-based programs and practices)

<http://www.icpsr.umich.edu/icpsrweb/landing.jsp>

(Data sources)

<http://www.cdc.gov/nchs/>

(Health-related data sources)

<http://www.cdc.gov/>

(Health-related data sources)

<https://www.gem-beta.org/public/Home.aspx?cat=0>

(Measures & datasets)

IV. Grading and Course Requirements

Accumulated points and grading scale

94.0 and above	A
90.0 to 93.999	A-
87.0 to 89.999	B+
84.0 to 86.999	B
80.0 to 83.999	B-
77.0 to 79.999	C+
74.0 to 76.999	C
70.0 to 73.999	C-
67.0 to 69.999	D+
64.0 to 66.999	D
60.0 to 63.999	D-
Below 60.0	F

Course requirements and grade assignment: Three exams (30%), one research paper (30%), human subjects assignment (5%), survey design assignment (10%), journal club assignment (5%), op-ed assignment (10%), and class participation/attendance (10%). Students will be able to demonstrate competency in different ways as reflected in the course assignments, including exams, written assignments, and oral assignments).

1. Three multiple-choice/true-false/short answer exams will cover all materials assigned and/or discussed in class this semester. 12/12/6 points (30 total), closed book: 9/29, 11/3, and 12/1.
2. Journal article (30 points): The student will write a draft of the Introduction and Methods sections for a *potentially* publishable journal article that will be completed during the Spring semester (Research Methods II). The article will develop a research question(s) based on a thorough literature review of a relevant social work topic using secondary data analysis of an existing dataset. The sections of the article will be between 1,800-2,000 words. Additional details will be provided during class. The first draft will be worth 22 points (due 11/24, noon), and the final draft will be worth 8 points (due 12/7, noon), based on responses to feedback the student receives on the first draft.
3. Human Subjects training assignment (5 points): Social Sciences research usually deals with data containing human subjects. All human subjects research conducted at the university level must be approved or considered to be exempt by the Institutional Review Board (IRB) before commencing. The major goals of the IRB are to minimize the risk to human subjects (beneficence); ensure all subjects consent and are fully informed about the research and any risks (autonomy); and promote equity in human subjects research (justice). Therefore, this course requires students to take the human subjects protection course (CITI) at <https://research.utexas.edu/ors/human-subjects/training/instructions-for-registering-for-human-subjects-research-training/>. You will select the Human Subjects/IRB training and then the Social/Behavioral Researchers course. Upon completion, upload the certificate (due 9/22) to receive credit.
4. Survey design assignment (10 points): You are required to develop a brief self-administered on-line

questionnaire (approximately 30 questions) using Qualtrics that would allow you to test a social work research question. You will need to specify the research question, the independent, dependent, and control variables, and at least one moderating variable in a memo to the instructor, as well as the sample population. Keep in mind ordering, format, and generic guidelines for asking questions discussed in your text. Be sure to include at least one question using a Likert scale, at least one contingency question, and at least one scale. Also draft a cover letter based on guidelines discussed in your text and in class to motivate response. On Tuesday, 10/20, you will be paired up to fill out/review a questionnaire developed by another student. Then you will critique the questionnaire, giving the author of the survey constructive feedback and vice versa. You will then revise the questionnaire based on the critique, uploading the revised draft, on Tuesday, 10/27. Additional details will be provided during class.

5. Journal club assignment (5 points): Students will be expected to present critical overviews of assigned readings and lead the discussions of them. Further guidelines will be given in class.
6. Op-ed assignment (10 points): Students will be given a brief training on writing op-eds for print/on-line media, after which they will each draft and edit an op-ed based on their own research interests (due 11/10, noon).
7. Class attendance/participation (10 points): You are expected to learn from interacting with the other students in the class. Thus, students are expected to attend ALL classes and to arrive on time. Students who miss class without medical documentation during the semester and/or show up late will lose points (see Religious Holiday policy below). Leaving class early will be counted as an absence unless the student provides a reasonable cause for doing so in advance (i.e., before the day of class) and receives the professor's permission. Students are expected to do assigned readings before the class time and actively participate in class discussions and group exercises.

V. University and School Notices and Policies

THE UNIVERSITY OF TEXAS HONOR CODE. The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.

DOCUMENTED DISABILITY STATEMENT. Any student who requires special accommodations must obtain a letter that documents the disability from the Services for Students with Disabilities area of the Division of Diversity and Community Engagement (471- 6259 voice or 471-4641 TTY for users who are deaf or hard of hearing). A student should present the letter to the professor at the beginning of the semester so that needed accommodations can be discussed and followed. The student should remind the professor of any testing accommodations no later than five business days before an exam. For more information, visit: <http://diversity.utexas.edu/disability/>.

PROFESSIONAL CONDUCT AND CIVILITY IN THE CLASSROOM. The professor expects students to act as professionals in class. This means students should arrive on time for class, be prepared to participate in the class discussion, and show respect for one another's opinions. A course brings together a group of diverse individuals with various backgrounds. Students are influenced and shaped by such factors as race, ethnicity, gender, sex, physical abilities, religious and political beliefs, national origins, and sexual orientations, among others. We expect to learn from each other in an atmosphere of positive engagement and mutual respect. This atmosphere

includes working intentionally to recognize and dismantle racism, sexism, heterosexism, and ableism in the classroom. Social Work also deals with complex and controversial issues. These issues may be challenging and uncomfortable, and it would be impossible to offer a substantive classroom experience that did not include potentially difficult conversations relating to challenging issues. In this environment, we will be exposed to diverse ideas and opinions, and sometimes we will not agree with the ideas expressed by others. Nevertheless, the professor requires that students engage one another with civility, respect, and professionalism.

UNANTICIPATED DISTRESS. Students may experience unexpected and/or distressing reactions to course readings, videos, conversations, and assignments. If so, students are encouraged to inform the professor. The professor can be responsive and supportive regarding students' participation in course assignments and activities, but students are responsible for communicating clearly what kind of support is desired. If counseling is needed, students may contact a service provider of their choosing, including the UT Counseling Center at 512-471-3515 or online at <https://cmhc.utexas.edu/>.

POLICY ON SOCIAL MEDIA AND PROFESSIONAL COMMUNICATION. Public social networks are not private. Even when open only to approved or invited members, users cannot be certain that privacy will exist among the general membership of sites. If social work students choose to participate in such forums, please assume that anything posted can be seen, read, and critiqued. What is said, posted, linked to, commented on, uploaded, subscribed to, etc., can be accessed and archived, posing potential harm to professional reputations and prospective careers.

Social work students who use social media (e.g. Facebook, Twitter, Instagram) and other forms of electronic communication (e.g. blogs) must be mindful of how their communication may be perceived by clients, colleagues, faculty, and others. Social work students are expected to make every effort to minimize material which could be considered inappropriate for a professional social worker in training. Because of this, social work students are advised to manage security settings at their most private levels and avoid posting information/photos or using any language that could jeopardize their professional image.

Students are asked to consider the amount of personal information posted on these sites and are obliged to block any client access to involvement in the students' social networks. Client material should not be referred to in any form of electronic media, including *any* information that might lead to the identification of a client or compromise client confidentiality in *any* way. Additionally, students must critically evaluate any material that is posted regarding community agencies and professional relationships, as certain material could violate the standards set by the School of Social Work, the Texas Code of Conduct for Social Workers, and/or the NASW Code of Ethics.

Social work students should consider that they will be representing professional social work practice as well as The University of Texas at Austin School of Social Work program while in the classroom, the university community, and the broader area communities.

POLICY ON SCHOLASTIC DISHONESTY. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly

enforced. For further information, the student may refer to the Web Site of the Student Judicial Services, Office of the Dean of Students: <http://deanofstudents.utexas.edu/sjs/>.

SHARING OF COURSE MATERIALS IS PROHIBITED No materials used in this class, including, but not limited to, lecture hand-outs, videos, assessments (quizzes, exams, papers, projects, homework assignments), in-class materials, review sheets, and additional problem sets, may be shared online or with anyone outside of the class unless you have my explicit, written permission. Unauthorized sharing of materials promotes cheating. It is a violation of the University's Student Honor Code and an act of academic dishonesty. I am well aware of the sites used for sharing materials, and any materials found online that are associated with you, or any suspected unauthorized sharing of materials, will be reported to Student Conduct and Academic Integrity in the Office of the Dean of Students. These reports can result in sanctions, including failure in the course.

USE OF COURSE MATERIALS. The materials used in this course, including, but not limited to exams, quizzes, and homework assignments, are copyright protected works. Any unauthorized duplication of the course materials is a violation of federal law and may result in disciplinary action being taken against the student. Additionally, the sharing of course materials without the specific, express approval of the professor may be a violation of the University's Student Honor Code and an act of academic dishonesty, which could result in further disciplinary action. This sharing includes, among other things, uploading class materials to websites for the purpose of distributing those materials to other current or future students.

CLASSROOM CONFIDENTIALITY. Information shared in class about agencies, clients, and personal matters is considered confidential per the NASW Code of Ethics on educational supervision and is protected by regulations of the Family Educational Rights and Privacy Act (FERPA) as well. As such, sharing this information with individuals outside of the educational context is not permitted. Violations of confidentiality could result in actions taken according to the policies and procedure for review of academic performance located in sections 3.0, 3.1, and 3.2 of the Standards for Social Work Education.

CLASS RECORDINGS. Class recordings are reserved only for students in this class for educational purposes and are protected under FERPA. The recordings should not be shared outside the class in any form. Violation of this restriction by a student could lead to Student Misconduct proceedings.

USE OF E-MAIL FOR OFFICIAL CORRESPONDENCE TO STUDENTS. Email is recognized as an official mode of university correspondence; therefore, students are responsible for reading their email for university and course-related information and announcements. Students are responsible for keeping the university informed about a change of e-mail address. Students should check their e-mail regularly and frequently—daily, but at minimum twice a week—to stay current with university-related communications, some of which may be time-sensitive. Students can find UT Austin's policies and instructions for updating their e-mail address at <http://www.utexas.edu/its/policies/emailnotify.php>.

RELIGIOUS HOLIDAYS. By UT Austin policy, students must notify the professor of a pending absence at least fourteen days prior to the date of observance of a religious holy day. If the student

must miss a class, examination, work assignment, or project in order to observe a religious holy day, the professor will give the student an opportunity to complete the missed work within a reasonable time after the absence.

TITLE IX REPORTING. In accordance with Title IX of the Education Amendments of 1972, the University of Texas at Austin is committed to maintaining a learning environment that is free from discriminatory conduct on the basis of sex <https://titleix.utexas.edu/>. Faculty, field instructors, staff, and/or teaching assistants in their supervisory roles are mandated reporters of incidents of sex discrimination, sexual harassment, sexual violence, stalking, dating violence, or any other forms of sexual misconduct. Students who report such incidents will be informed of University resources. Incidents will be reported to the University's Title IX Coordinator. Further information, including student resources related to Title IX, may also be found at <https://titleix.utexas.edu/>.

CAMPUS CARRY POLICY. The University's policy on concealed firearms may be found here: <https://campuscarry.utexas.edu>. You also may find this information by accessing the Quick Links menu on the School's website.

SAFETY. As part of professional social work education, students may have assignments that involve working in agency settings and/or the community. As such, these assignments may present some risks. Sound choices and caution may lower risks inherent to the profession. It is the student's responsibility to be aware of and adhere to policies and practices related to agency and/or community safety. Students should notify the professor regarding any safety concerns.

BEHAVIOR CONCERNS ADVICE LINE (BCAL). If students have concerns about their behavioral health, or if they are concerned about the behavioral health of someone else, students may use the Behavior Concerns Advice Line to discuss by phone their concerns. This service is provided through a partnership between the Office of the Dean of Students, the Counseling and Mental Health Center (CMHC), the Employee Assistance Program (EAP), and The University of Texas Police Department (UTPD). Call 512-232-5050 or visit <http://www.utexas.edu/safety/bcal>.

EMERGENCY EVACUATION POLICY. Occupants of buildings on the UT Austin campus are required to evacuate and assemble outside when a fire alarm is activated or an announcement is made. Please be aware of the following policies regarding evacuation:

- Familiarize yourself with all exit doors in the classroom and the building. Remember that the nearest exit door may not be the one you used when entering the building.
- If you require assistance to evacuate, inform the professor in writing during the first week of class.
- In the event of an evacuation, follow the professor's instructions.
- Do not re-enter a building unless you are given instructions by the Austin Fire Department, the UT Austin Police Department, or the Fire Prevention Services office.

COVID-19 RELATED INFORMATION. The University's policies and practices related to the pandemic may be accessed at: <https://protect.utexas.edu/>

Feedback on Learning: During this course the professor may ask students to provide feedback on their learning in informal as well as formal ways. It is very important for the professor to know the students'

reactions to what is taking place in class, so students are encouraged to inform the professor on how her teaching strategies are helping or hindering student learning, ensuring that together the professor and students can create an environment effective for teaching and learning.

VI. Additional Class Policies Affecting Course Grade

Late Assignment Policies: Except in the case of extreme emergencies, and then only with the permission of the professor, late assignments will not be accepted without penalty. Students will lose 3 points for each day that an assignment is late. If the due date is a problem, then the student must contact the professor and negotiate another due date at least **48 hours PRIOR** to the date specified in the course syllabus.

VII. Course Schedule. In covering each topic, the course will examine methodological issues specific to diversity (primarily with populations that vary according to class, race, ethnicity, nativity, gender, and/or geography).

Date	Description	Text (7th edition)/Readings	Text (8th/9th editions)
Week 1 9/1/20	Introduction to course Philosophy and Theory <i>HW: Watch Episode 4: "How the Bad Blood Started"</i>	Rubin & Babbie, Ch. 1, 2, and 3 White Logic, Chapter 1 Garcia, Lopez, and Velez (2018) Faye Carter & Hurtado (2007)	Ch. 1, 2, 3
Week 2 9/8/20	Ethics Culturally competent research <i>Journal club assignment distributed</i> <i>HW: Data documentation take-home exercise</i>	Rubin & Babbie, Ch. 4 and 5 Villarosa (2019) Saini (2019) Gelfand (2018) Obermeyer (2019) Paul (2019) Benjamin (2019)	Ch. 5, 6
Week 3 9/15/20	Problem formulation Conceptualization and operationalization <i>Research paper topic paragraph due</i>	Rubin & Babbie, Ch. 6 and 7 Barron and Kenny (1986)	Ch. 7, 8
Week 4 9/22/20	Measurement Constructing measurement instruments Class Discussion of articles* <i>Human Subjects assignment due</i>	Rubin & Babbie, Ch. 8 and 9 *Rubin and Parrish (2011) *Weiss and Berger (2006)	Ch. 9, 10
Week 5 9/29/20	<i>Exam #1</i> <i>Survey design homework assignment distributed</i>		

	<i>In-class exercise on cleaning datasets</i>		
Date	Description	Text (7th edition)/Readings	Text (8th/9th editions)
Week 6 10/6/20	Causal inference Experimental designs Quasi-experimental designs Journal Club 1*	Rubin & Babbie, Ch. 10 and 11 Greco (2018) *Project Choices (2002) *Project Choices (2003) *Floyd (2006)	Ch. 11, 12
Week 7 10/13/20	Sampling Survey Research Journal Club 2*	Rubin & Babbie, Ch. 14 and 15 *Braveman (2014) *Krieger (1997) *Braveman et al. (2005)	Ch. 15, 16
Week 8 10/20/20	Weighting in survey research Critique of survey design assignment – <i>first draft due</i>		
Week 9 10/27/20	Program evaluation Journal Club 3* <i>Final draft of survey design assignment due</i>	Rubin & Babbie, Ch. 13 Curtin (1992) Comfort (2018) *Bailey (2017) *Krieger (2020) *Malat (2018)	Ch. 14
Week 10 11/3/20	<i>Exam #2</i> Scientific Writing Writing Op-Eds training		
Week 11 11/10/20	Secondary data analysis Journal Club 4* <i>Op-ed assignment due</i>	Rubin & Babbie, Ch. 16 *Eligon & Gebeloff (2016) *Margerison-Zilko et al. (2015) *Tessum (2019)	Ch. 17

Date	Description	Text (7 th edition)/Readings	Text (8 th /9 th editions)
Week 12 11/17/20	Submitting and revising articles for peer review Interpreting tables Journal Club 5*	*Gemmill (2019) *Montoya-Williams (2019) *Wan and Bever (2019) *Legewie	
Week 13 11/24/20	No class – Have a good break First draft of research proposal due		
Week 14 12/1/20	Exam #3 Budgeting exercise Course debrief		

Final draft of research proposal due 12/7/20 at noon