

SSCI 574 Spatial Econometrics

Syllabus

Units: 4

Term – Day – Time: Spring 2022 – Mondays & Wednesdays
11 a.m. – 12:50 p.m.

Location: AHF 145A & DEN@Dornsife

Instructor: An-Min Wu, PhD

Office: AHF B55B

Office Hours: Mondays 3:30 – 4:30 p.m. and Thursdays 2:30 – 3:30 p.m. Pacific Time in-person or via zoom – please contact me via email in advance to ensure I will be available in the format you'd wish to meet. Also available most weekdays 9 a.m. – 5 p.m. by appointment via email.

Contact Info: anminwu@usc.edu

Library Help: Andy Rutkowski

Office: VKC B36B

Office Hours: By appointment

Contact Info: arutkows@usc.edu, 213-740-6390 (office),
<http://bit.ly/andyhangout>

IT Help: Richard Tsung

Office: AHF B57E

Regular Office Hours: By appointment

Contact Info: ctsung@usc.edu

Course Description

This course explores theoretical foundations, methods, techniques, and software systems for spatial econometrics. The course aims to provide students with the knowledge and skills necessary to investigate socioeconomic problems, with the consideration of the effects of spatial dependence and spatial heterogeneity. Essential concepts of spatial econometrics are presented, including the fundamental spatial concepts, spatial autocorrelation, and the core components of regression and spatial regression models for both cross-sectional and panel data. The latest research in a variety of topics using spatial econometric models is also examined. Students will gain an in-depth understanding and hands-on experience to explore a variety of applications through a combination of lectures, discussions, presentations, and projects. Students will learn about the variety of geospatial data and techniques available for solving socioeconomic challenges and problems.

This course serves as a required course for the Spatial Economics and Data Analysis M.S. Program and an elective course in the Geographic Information Science and Technology M.S. and Graduate Certificate Programs. Anyone wishing to pursue a career using spatial and economic principles and methods to address environmental challenges in cities, agricultural and natural environments should gain an understanding of spatial statistics and spatial regression and therefore will benefit from this course.

Learning Objectives

When you have completed this course, you will be able to:

- Articulate the key theoretical concepts of spatial econometrics and how spatial concepts can be used to produce new and better inferences in economics
- Describe the roles played by spatial dependence and spatial heterogeneity in identifying economic opportunities and solving social and environmental problems.
- Analyze cross-sectional data using spatial regression methods in the ArcGIS Pro, GeoDa and R software environments.
- Enhance written and oral communication skills that are essential for today's workforce.

Prerequisite(s): None

Co-Requisite(s): None

Recommended Preparation(s): SSCI 583

Class Conduct

Harassment, sexual misconduct, interpersonal violence, and stalking are not tolerated by the university. All faculty and most staff are considered Responsible Employees by the university and must forward all information they receive about these types of situations to the Title IX Coordinator. The Title IX Coordinator is responsible for assisting students with supportive accommodations, including academic accommodations, as well as investigating these incidents if the reporting student wants an investigation. The Title IX office is also responsible for

coordinating supportive measures for transgender and nonbinary students such as faculty notifications, and more. If you need supportive accommodations you may contact the Title IX Coordinator directly (titleix@usc.edu or 213-821-8298) without sharing any personal information with me. If you would like to speak with a confidential counselor, Relationship and Sexual Violence Prevention Services (RSVP) provides 24/7 confidential support for students (213-740-9355 (WELL); press 0 after hours)

COVID-19 policy -- Students are expected to comply with all aspects of USC's COVID-19 policy including, but not limited to, vaccination, indoor mask mandate, and daily TrojanCheck. Failure to do so may result in removal from the class and referral to Student Judicial Affairs and Community Standards. Students are recommended to keep safe physical distancing, whenever possible, to prevent any possible transmission. Please contact your instructor if you have any safety concerns.

Diversity and Inclusion – It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful to everyone, and you are also expected to respect of others regardless of their race, ethnicity, gender identity and expressions, cultural beliefs, religion, sexual orientation, national origin, age, abilities, ideas and perspectives, or socioeconomic status. Your suggestions are encouraged and appreciated. Feel free to let me know ways to improve the effectiveness of the course for you personally or for other students.

Course Structure

This is a four-credit course that meets twice per week. The course will be delivered using multiple methods, including in-class lectures, class presentations, discussion and instructor-guided hands-on practice during class meetings. Class meetings are simultaneously conducted online through D2L links. Exercises utilize unpublished and published materials using ArcGIS Pro, GeoDa, and R, with a focus in R, and project-based homework assignments allow students to demonstrate their ability to apply spatial statistical and econometric methods in an appropriate, informed manner. Besides textbooks and supplementary readings, additional readings will be assigned to expand on the knowledge background for class discussions. Student participation is encouraged through reading discussions, hands-on practices, homework assignments, and class presentations.

This is a graduate-level course, so you should expect this class to be intellectually challenging. As this is a four-credit course, students should expect to spend 10-12 hours per week completing the work in this course. You are expected to engage with the information you are learning and to explore the ideas, opinion, and analysis that describe our collective effort to thoroughly interrogate the subject at hand. Learning arises from active engagement with the knowledge found in our reading materials and with one another. As in any graduate class, the instructor's role is that of a guide who keeps you on this path of discovery.

Technological Requirements

The course will be focused on using R as well as GeoDa for course assignments and hands-on practice in class. Both R and GeoDa are free, open-source software. The practice in class will use R and RStudio (an integrated development environment for R), and therefore the installation of the software in your computer (PC or Mac) is preferred. All of these software platforms can also be accessed via VMWare client on the remote SSI Server (See Using the SSI Server on class D2L site for more information). For online access to SSI Server, every student must have a computer with a fast Internet connection. If you sign up for synchronous, online session (DEN), you also need to have a functional webcam and a microphone for use during the class sessions. If a student does not have access to any of these, please speak with the instructor at the start of the semester to establish a workaround. Also, see the USC ITS Student Toolkit here:

<https://keepteaching.usc.edu/students/student-toolkit/>

If you are unable to connect to the SSI Server or experience any type of technical issues relating to the server, send an email using your USC account to Tech Support at spatial_support@usc.edu; make sure to copy (c.c.) you instructor on the email. Questions pertaining to specific assignments should be directed to your instructor.

Communications – This course is an on campus, in person course that accommodates remote/distance learning as well (at DEN), so our interactions will be synchronous and asynchronous. All materials to be handled in will be submitted via D2L. In addition to email announcements about time-sensitive topics, regular announcements will be communicated in class as well as on the Announcement page in D2L. It is each student's responsibility to stay informed as to course activities and updates.

The instructor will endeavor to respond to email within 36 hours of receipt, aiming for no more than a 72-hour delay. An announcement will be posted in the rare instance when an instructor is offline for 72 hours or more.

Required Readings and Supplementary Materials

The required textbook for this course is:

- Chi, Guangqing, and Jun Zhu. 2019. *Spatial Regression Models for the Social Sciences*. Thousand Oaks, CA: SAGE Publications.

Supplementary readings will be assigned from various sources including:

- Angrist, J.D., and A.B. Krueger. 1991. "Does compulsory school attendance affect schooling and earnings?" *The Quarterly journal of economics* 106(4): 979–1014.
- Anselin, L. 2019. "The Moran scatterplot as an ESDA tool to assess local instability in spatial association." In *Spatial Analytical Perspectives on GIS*, pp. 111-126. Edited by Manfred Fischer, Henk J Scholten, and David Unwin. London: Routledge.
- Anselin, L. and S. Ray. 2014. "Two stage least squares." In: *Modern Spatial Econometrics in Practice: A guide to GeoDa, GeoDaSpace, and PySAL*, pp. 139-142. GeoDa Press LLC.

- Arbia, G. 2014. "The classical linear regression model." In: *A Primer for Spatial Econometrics: With Applications in R*, pp. 1-25. Palgrave Maximillian.
- Baltagi, B.H. and D. Li. 2004. "Prediction in the panel data model with spatial correlation." In *Advances in Spatial Econometrics: Methodology, Tools and Applications*, pp. 283-295. Edited by Luc Anselin, R. J.G.M Florax, Sergio J. Rey. Berlin: Springer.
- Baum-Snow, N., M.E. Kahn & R. Voith. 2005. "Effects of urban rail transit expansions: Evidence from sixteen cities, 1970-2000." *Brookings-Wharton Papers on Urban Affairs*, 147-206.
- Celebioglu, F. & S. Dall'erba. 2010. "Spatial disparities across the regions of Turkey: An exploratory spatial data analysis." *Annals of Regional Science* 45(2): 379-400.
- Davis, D.R. & D.E. Weinstein. 2002. "Bones, bombs, and break points: The geography of economic activity." *The American Economic Review*, 92(5), 1269-1289.
- Elhorst, J.P. 2014. "Spatial panel data models." In *Spatial Econometrics from Cross-Sectional Data to Spatial Panels*, pp. 37-93. Berlin, Heidelberg: Springer.
- Elhorst, J.P. 2010. "Applied spatial econometrics: Raising the bar." *Spatial Economic Analysis* 5(1): 9-28.
- Fotheringham, A.S., C. Brunsdon & M. Charlton. 2007. "Statistical inference for spatial data." In: Fotheringham, A.S., Brunsdon, C., & Charlton, M. (eds.) *Quantitative Geography*. pp. 184-211. London: SAGE Publications Ltd.
- Fujita, M., P.R. Krugman & A. Venables. 2001. *The spatial economy: Cities, regions, and international trade*. MIT press.
- Getis, A. 2009. "Spatial weights matrices." *Geographical Analysis*, 41(4), 404-410.
- Gibbons, S. & H.G. Overman. 2012. "Mostly pointless spatial econometrics?" *Journal of Regional Science* 52(2): 172-191.
- Griffith, D.A., and J.H.P. Paelinck. "An equation by any other name is still the same: on spatial econometrics and spatial statistics." *The Annals of Regional Science* 41, no. 1 (2007): 209-227.
- Griffith, D.A. & Y. Chun. 2014. "Spatial Autocorrelation and Spatial Filtering" In: *Handbook of Regional Science*. M.M. Fischer, MM and P. Nijkamp. (1st eds.), pp. 91-130. Springer-Verlag Berlin Heidelberg. doi:10.1007/978-3-642-23430-9_72.
- Harris, N.L., E. Goldman, C. Gabris, J. Nordling, S. Minnemeyer, S. Ansari, M. Lippmann, L. Bennett, M. Raad, M. Hansen & P. Potapov. 2017. Using spatial statistics to identify emerging hot spots of forest loss. *Environmental Research Letters* 12(2): 024012.
- LeSage, J.P., and Christine Thomas-Agnan. 2015. "interpreting spatial econometric origin-destination flow models." *Journal of regional science* 55, no. 2: 188-208.
- LeSage, J.P., and R.K. Pace. 2009. *Introduction to spatial econometrics*. Boca Raton, FL: CRC press.

- Li, G., S. Sun & C. Fang. 2018. "The varying driving forces of urban expansion in China: Insights from a spatial-temporal analysis." *Landscape and Urban Planning*, 174, 63-77.
- Livings, M. and A. Wu, 2020. "Local measures of spatial association." *The Geographic Information Science & Technology Body of Knowledge* (3rd Quarter 2020 Edition), John P. Wilson (Ed.)
- Lloyd, C. 2014. "Scale and multivariate data." In: *Exploring Spatial Scale in Geography*. John Wiley & Sons, Incorporated. pp. 106-111.
- Lukongo, O. E., & T. Miller. 2018. "Evaluating the spatial consequence of interest rate ceiling using a spatial regime change approach." *The American Economist*, 63(2), 166-186.
- Miura, K. 2011. "An introduction to maximum likelihood estimation and information geometry." *Interdisciplinary Information Sciences*, 17(3), 155-174.
- Nilsson, P. 2014. "Natural amenities in urban space—A geographically weighted regression approach." *Landscape and Urban Planning*, 121, 45-54.
- Partridge, M.D., M. Boarnet., S. Brakman, & G. Ottaviano. 2012. "Introduction: whither spatial econometrics?" *Journal of Regional Science* 52(2): 167-171.
- Patuelli, Roberto, Daniel A. Griffith, Michael Tiefelsdorf, and Peter Nijkamp. 2006. "The use of spatial filtering techniques: the spatial and space-time structure of German unemployment data." Tinbergen Institute Discussion Paper, No. 06-049/3, Tinbergen Institute, Amsterdam and Rotterdam.
- Proost, S., & J. F. Thisse. 2019. "What can be learned from spatial economics?" *Journal of Economic Literature*, 57(3), 575-643.
- Purwaningsih, T., A. Ghosh & C. Chumairoh. 2017. "Spatial data modeling in disposable income per capita in china using nationwide spatial autoregressive (SAR)." *International Journal of Advances in Intelligent Informatics*, 3(2), 98–106.
- Qian, S.S. 2016. "Multilevel linear regression." In: *Environmental and Ecological Statistics with R* (2nd ed.). Chapman and Hall/CRC. pp.436-452.
- Rocconi, L. M. 2013. Analyzing multilevel data: comparing findings from hierarchical linear modeling and ordinary least squares regression. *Higher Education*, 66(4), 439-461.
- Salvati, L. 2019. "Examining urban functions along a metropolitan gradient: a geographically weighted regression tells you more." *Letters in Spatial and Resource Sciences*, 12(1), 19-40.
- Sparks, P.J., and C.S. Sparks. 2010. "An application of spatially autoregressive models to the study of US county mortality rates." *Population, Space & Place* 16(6): 465-481.
- Tian, L., H.H. Wang & Y. Chen. 2010. "Spatial externalities in China regional economic growth." *China Economic Review* 21: S20-S31.

- Wang, C.H., & N. Chen. 2015. "A GIS-based spatial statistical approach to modeling job accessibility by transportation mode: Case study of Columbus, Ohio." *Journal of Transport Geography*, 45, 1–11.
- Wang, Yiyi, Kara M. Kockelman, and Xiaokun Cara Wang. 2013. "Understanding spatial filtering for analysis of land use-transport data." *Journal of Transport Geography* 31: 123-131.
- Wu, A. & K.K. Kemp. 2019. "Global measures of spatial association." *The Geographic Information Science & Technology Body of Knowledge* (1st Quarter 2019 Edition), John P. Wilson (Ed.)
- Yin, C., M. Yuan, Y. Lu, Y. Huang & Y. Liu. 2018. "Effects of urban form on the urban heat island effect based on spatial regression model." *Science of the Total Environment*, 634, 696–704.
- Zeng, M., D. Jiang & W. Zhang. 2019. "Spatial-temporal effects of PM2.5 on health burden: Evidence from China." *International Journal of Environmental Research and Public Health*, 16(23), 4695–.

Description and Assessment of Assignments

Your grade in this course will be determined based on the basis of several different assessments:

Resume Assignment – 2 worth a total of 4 points. We require all current students to post and maintain a public resume, short biography and recent photo on our shared SSI Student Community Blackboard site. The resume is required to be prepared using the SSI template and following the SSI guideline.

The first resume assignment is planned during the first week and can be resubmitted upon the improvement and timeline suggested by the instructor. A second resume assignment is planned toward the end of the course so you can add the skills learned from this course to enhance your resume.

Lead Class Discussion – 1 worth a total of 8 points. Class discussion will focus on the theory portions of the course as presented in the weekly readings. Students will lead class discussion in pair on the assigned topic and schedule once during the semester. The objective is to promote the students in evaluating and integrating course readings as well as to enhance public presentation skills. Each pair of student discussion leaders prepares for a 15-minute opening statement presentation followed by 3 questions raised from the presentation material for class discussion. Pre-recorded videos would be allowed for asynchronous students to lead the class discussion.

In-Class Work / Class Discussion - a total of 14 points. An in-class engagement grade for the semester will be assigned based upon student engagement for in-class activities. Students unable to join classes synchronously will be able to obtain the grades by joining the online discussion forum in the same week. Failure to participate in in-class engagement activities will receive no grade for that week.

Quizzes – 5 worth a total of 20 points. There would be quizzes on the lectures and readings from the previous weeks. The top 5 scores would be counted toward the final grade. There is no mid-term exam, so the quizzes are the assessment of how well the students have learned the material during the semester.

Projects – 4 worth a total of 26 points (1st Project worth 5 points, and Project 2,3,4 worth 7 points). Students will be assigned 4 project-based homework assignments during the course. The assignments include one research plan and three hands-on exercises on spatial techniques explored in theory in the texts. The last project is to develop a Story Map with a case study of spatial statistics and spatial econometrics using the methods learned throughout the course. Students will present the last project's Story Map in the final presentation (see below).

Final Presentation – 1 worth a total of 8 points. A final presentation of the project Story Map will be delivered in the final week during the class session.

Final Exam – 1 worth a total of 20 points. A comprehensive final exam will be conducted during the final exam week following the university exam schedule.

Grading Breakdown

Assessment	Number	Points Each	Total Points
Resume Assignments	2	2	4
Presentation/Lead Class Discussions	1	8	8
In-class Work / Class Discussion			14
Quizzes	5	4	20
Projects 1	1	5	5
Project 2,3,4	3	7	21
Final Presentation	1	8	8
Final exam	1	20	20
Total	-	-	100

Assignment Submission Policy

Assignments must be submitted via D2L by the due dates specified in the Course Schedule below and on the assignment instructions. Unless otherwise noted, all assignments are *due by 11:59 pm Pacific Time (PT) on the due dates*. Your attention to on-time assignment submission is essential.

Course Schedule: A Weekly Breakdown

	Topics	Readings and Assignments	Deliverables/Dues
Module 1: Overview of Spatial Economics and Spatial Econometrics			
Week 1			
1/10	Introduction to course	Fujita et al. (2001) Ch1 Resume Assignment	Resume Assignment 1: due Friday, 1/13
1/12	Introduction to spatial econometrics	LeSage & Pace (2009) Ch1	
Week 2			
1/19* *Monday, 1/17 is a University holiday	Urban economics overview	Fujita et al. (2001) Ch2 Proost & Thisse (2019) Sec.4 Baum-Snow et al. (2005)	Sign-up for lead class discussion
Week 3			
1/24	Regional science overview	Fujita et al. (2001) Ch3 Proost & Thisse (2019) Sec.3 Davis & Weinstein (2002)	
Module 2: Connecting Spatial Statistics to Spatial Econometrics			
1/26	Conceptual framework of spatial statistics (+ Guest speaker: Andy Rutkowski: Data resources)	Fotheringham et al. (2007) Ch8 Chi & Zhu (2019) Ch2 p.21-33 Griffith & Paelinck (2006) Project 1	
Week 4			
1/31	Neighborhood structure & spatial weights matrix	Chi & Zhu (2019) p.33-41 Getis (2009)	In-class quiz
2/2	Spatial autocorrelation I	Chi & Zhu (2019) p.41-46 Wu & Kemp (2019) Anselin (2019)	
Week 5			
2/7	Spatial autocorrelation II & spatial statistics vs. spatial econometrics	Chi & Zhu (2019) p.47-53 Livings & Wu (2020) Celebioglu & Dall’erba. (2010)	Submit Project 1 on D2L no later than 5 p.m. on Tuesday, 2/8
Module 3: Non-Spatial Regression Models			
2/9	Classic linear regression models	Arbia (2014) Ch1 Project 2	
Week 6			
2/14	Endogeneity, instruments and two stage least squares (2SLS)	Anselin & Ray (2014) pp. 139-142 Angrist & Krueger (1991)	In-class quiz

2/16	Likelihood function & maximum likelihood estimation	Muira (2011)	
Week 7			
2/23* *Monday, 2/21 is university holiday	Multilevel linear regression (MLR)	Chi & Zhu (2019) Sec. 4.3 pp. 98-110 Qian (2016) Sec. 10.4 pp. 436-452. Riconni (2013)	
Module 4: Spatial Regression Models			
Week 8			
2/28	Motivation of regression for spatial econometrics models (+guest speaker on Spatial Economics research: TBD)	LeSage and Pace (2014) Ch2 Chi & Zhu (2019) Sec 3.1 pp.55-64	In-class quiz Submit Project 2 on D2L no later than 5 p.m. on Tuesday, 3/1
3/2	Spatial autoregressive (SAR) process	Lloyd (2014) Sec. 5.5 pp.106-111 Purwaningsih et al. (2017)	
Week 9			
3/7	Spatial lag models (SLM)	Chi & Zhu (2019) Sec 3.2 pp.65-73 Wang and Chen (2015) Project 3	
3/9	Spatial error models (SEM)	Chi & Zhu (2019) Sec 3.3 pp.74-83 Yin et al. (2018)	
3/13-3/20 is Spring Recess			
Week 10			
3/21	Examples of SAR models & spatial Durbin models	Elhorst (2010) Zeng et al. (2019)	In-class quiz
3/23	Spatial cross-regressive models	Chi & Zhu (2019) Sec 4.1-4.2 pp. 85-97	
Week 11			
3/28	Models dealing with spatial heterogeneity: Spatial regime models	Chi & Zhu (2019) Sec 5.1-5.2 pp.113-126	Submit Project 3 on D2L no later than 5 p.m. on Tuesday, 3/29
3/30	Geographically weighted regression	Chi & Zhu (2019) Sec 5.3 pp.127-138 Nilsson (2014) Salvati (2019)	
Module 5: Advanced Spatial Econometrics Models			
Week 12			
4/4	Spatial filtering techniques	Griffith & Chun (2014) Wang et al. (2013) Patuelli et al. (2006)	In-class quiz

		Project 4	
4/6	Dealing with both spatial dependency and spatial heterogeneity I	Chi & Zhu (2019) Ch 6 Resume assignment 2	
Week 13			
4/11	Dealing with both spatial dependency and spatial heterogeneity II	Baltagi & Li (2004) Lukongo & Miller (2018)	Submit Resume Assignment 2 by Friday, 4/13
4/13	Spatial panel models	Chi & Zhu (2019) Ch7 pp.155-167 Elhorst (2014) pp.37-53; 53-93	
Week 14			
4/18	More on spatiotemporal analysis & critiques of spatial econometrics models	Harris et al. (2017) Li et al. (2018) Gibbons & Overman (2012) Patridge et al. (2012)	In-class quiz Submit Project 4 on 11:59 p.m. on Friday, 4/22
4/20	Practical applications of spatial econometric models and summative discussion	Sparks & Sparks (2010) Tian et al. (2010) LeSage & Thomas-Agnan (2015)	
Week 15			
4/25	Project presentation I		Project presentations during class time
4/27* *Friday, 4/29 is last day of class	Project presentations II		
Final Exam 5/4-5/11	Final Exam follows the university exam schedule		

Statement on Academic Conduct and Support Systems

Academic Conduct

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in SCampus in Part B, Section 11, “Behavior Violating University Standards” policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on [Research and Scholarship Misconduct](#).

Students and Disability Accommodations

USC welcomes students with disabilities into all of the University’s educational programs. The Office of Student Accessibility Services (OSAS) is responsible for the determination of

appropriate accommodations for students who encounter disability-related barriers. Once a student has completed the OSAS process (registration, initial appointment, and submitted documentation) and accommodations are determined to be reasonable and appropriate, a Letter of Accommodation (LOA) will be available to generate for each course. The LOA must be given to each course instructor by the student and followed up with a discussion. This should be done as early in the semester as possible as accommodations are not retroactive. More information can be found at osas.usc.edu. You may contact OSAS at (213) 740-0776 or via email at osasfrontdesk@usc.edu

Support Systems

Counseling and Mental Health - (213) 740-9355 – 24/7 on call

studenthealth.usc.edu/counseling

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.

National Suicide Prevention Lifeline - 1 (800) 273-8255 – 24/7 on call

suicidepreventionlifeline.org

Free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.

Relationship and Sexual Violence Prevention Services (RSVP) - (213) 740-9355(WELL), press "0" after hours – 24/7 on call

studenthealth.usc.edu/sexual-assault

Free and confidential therapy services, workshops, and training for situations related to gender-based harm.

Office for Equity, Equal Opportunity, and Title IX (EEO-TIX) - (213) 740-5086

eeotix.usc.edu

Information about how to get help or help someone affected by harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants.

Reporting Incidents of Bias or Harassment - (213) 740-5086 or (213) 821-8298

usc-advocate.symplicity.com/care_report

Avenue to report incidents of bias, hate crimes, and microaggressions to the Office for Equity, Equal Opportunity, and Title for appropriate investigation, supportive measures, and response.

The Office of Student Accessibility Services (OSAS) - (213) 740-0776

osas.usc.edu

OSAS ensures equal access for students with disabilities through providing academic accommodations and auxiliary aids in accordance with federal laws and university policy.

USC Campus Support and Intervention - (213) 821-4710

campussupport.usc.edu

Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

Diversity, Equity, and Inclusion - (213) 740-2101

diversity.usc.edu

Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

USC Emergency - UPC: (213) 740-4321, HSC: (323) 442-1000 – 24/7 on call

dps.usc.edu, emergency.usc.edu

Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.

USC Department of Public Safety - UPC: (213) 740-6000, HSC: (323) 442-120 – 24/7 on call

dps.usc.edu

Non-emergency assistance or information.

Office of the Ombuds - (213) 821-9556 (UPC) / (323-442-0382 (HSC)

ombuds.usc.edu

A safe and confidential place to share your USC-related issues with a University Ombuds who will work with you to explore options or paths to manage your concern.

Occupational Therapy Faculty Practice - (323) 442-3340 or otfp@med.usc.edu

chan.usc.edu/otfp

Confidential Lifestyle Redesign services for USC students to support health promoting habits and routines that enhance quality of life and academic performance.