

**Units:** 4

**Instructor:** Mohammad Reza Rajati, PhD  
GCS 302-B

[rajati@usc.edu](mailto:rajati@usc.edu) – Include DSCI 552 in subject.

**Office Hours:** Right after the lecture, by appointment

**Webpage:** [Personal Homepage at Intelligent Decision Analysis](#)

**TA(s):** Will be introduced on Piazza.

**Lecture** Monday, Wednesday, 12:00 pm –1:50 pm THH 201 & Online

**Lecture** Tuesday, Thursday, 4:00 pm –5:50 pm OHE 122 & Online

**Webpages:** [Piazza Class Page](#) for discussions, announcements, and course materials  
and [USC Brightspace Page](#) for exams and grades  
and [GitHub](#) for code submission

– All HWs, handouts, solutions will be posted in PDF format

– *Student has the responsibility to stay current with webpage material*

**Prerequisite:** Prior courses in multivariate calculus, linear algebra, probability, and statistics.  
– This course is a prerequisite to DSCI 558.

**Other Requirements:** Computer programming skills.  
Using Python is mandatory.  
Students must know Python or must be willing to learn it.

**Tentative Grading:** Assignments 45%  
Midterm 1 20%  
Midterm 2 25%  
Final Project 10%  
Participation on Piazza\* 5%

**Letter Grade Distribution:**

$\geq 93.00$	A	73.00 - 76.99	C
90.00 - 92.99	A-	70.00 - 72.99	C-
87.00 - 89.99	B+	67.00 - 69.99	D+
83.00 - 86.99	B	63.00 - 66.99	D
80.00 - 82.99	B-	60.00 - 62.99	D-
77.00 - 79.99	C+	$\leq 59.99$	F

**Disclaimer:** Although the instructor does not expect this syllabus to drastically change, he reserves every right to change this syllabus any time in the semester.

**Note on e-mail vs. Piazza:** If you have a question about the material or logistics of the class and wish to ask it electronically, please post it on the piazza page (not e-mail). Often times, if one student has a question/comment, other also have a similar question/comment. Use private Piazza posts with the professor, TA, graders only for issues that are specific to your individually (e.g., a scheduling issue or grade issue). Minimize the use of email to the course staff and only use it when *absolutely necessary*.

**Catalogue Description:** Practical applications of machine learning techniques to real-world problems. Uses in data mining and recommendation systems and for building adaptive user interfaces.

**Course Description:** This is a foundational course with the primary application to data analytics, but is intended to be accessible both to students from technical backgrounds such as computer science, computer engineering, electrical engineering, or mathematics; and to students from less technical backgrounds such as business administration, communication, accounting, various medical specializations including preventative medicine and personalized medicine, genomics, and management information systems. A basic understanding of engineering and/or technology principles is needed, as well as basic programming skills, sufficient mathematical background in probability, statistics, and linear algebra.

**Course Objectives:** Upon successful completion of this course a student will

- Broadly understand major algorithms used in machine learning.
- Understand supervised and unsupervised learning techniques.
- Understand regression methods.
- Understand resampling methods, including cross-validation and bootstrap.
- Understand decision trees, dimensionality reduction, regularization, clustering, and kernel methods.
- Understand hidden Markov models and graphical models.
- Understand feedforward and recurrent neural networks and deep learning.

**Exam Dates:**

- **Midterm 1 (in-person):** Friday March 14, 8:00 AM-9:50 AM. (May be changed to a different hour, most probably 10:00 AM-11:50 AM, on the same day)
- **Midterm 2 (in-person):** Friday, May 2, 8:00 AM - 9:50 AM (May be changed to a different hour, most probably 10:00 AM-11:50 AM, on the same day)

- **Final Project Due:** Friday, May 9, 1:00 PM. **Grace period:** the project can be submitted until 11:59 PM of the same day with 30% penalty. Any change in the project after the deadline is considered late submission. **One second late is late.** The project is graded based on *when it was submitted, not when it was finished*. Homework late days *cannot* be used for the project.

**Important Note:** Please make absolutely sure that you can make the above dates. No make-up exams can be offered for *any reason* whatsoever. Moreover, no online exam will be offered to on-campus students for *any reason*. If a student misses Midterm 1 due to a valid reason (e.g., documented medical or family emergency), the grade of Midterm 2 will be considered as the grade of Midterm 1. If a student misses Midterm 2 due to a valid reason, they will receive a grade of IN (Incomplete) and they must take the exam in the next semester with the students of that semester. Unexcused absence in an exam warrants a grade of zero.

### Textbooks:

- **Required Textbook:**

1. Gareth James, Daniela Witten, Trevor Hastie, and Robert Tibshirani, *An Introduction to Statistical Learning with Applications in R*, Springer, 2021. (ISLR)  
Available at [https://web.stanford.edu/~hastie/ISLRv2\\_website.pdf](https://web.stanford.edu/~hastie/ISLRv2_website.pdf)

- **Recommended Textbooks:**

1. Gareth James, Daniela Witten, Trevor Hastie, and Robert Tibshirani, *An Introduction to Statistical Learning with Applications in Python*, Springer, 2023.  
Available at [https://hastie.su.domains/ISLP/ISLP\\_website.pdf](https://hastie.su.domains/ISLP/ISLP_website.pdf)
2. *Applied Predictive Modeling*, 1<sup>st</sup> Edition  
**Authors:** Max Kuhn and Kjell Johnson; Springer; 2016. **ISBN-13:** 978-1-4614-6848-6
3. *Machine Learning: A Concise Introduction*, 1<sup>st</sup> Edition  
**Author:** Steven W. Knox; Wiley; 2018. **ISBN-13:** 978-1-119-43919-6
4. *The Elements of Statistical Learning: Data Mining, Inference, and Prediction*, 2<sup>nd</sup> Edition  
**Authors:** Trevor Hastie, Robert Tibshirani, and Jerome Friedman; Springer; 2008. (ESL) **ISBN-13:** 978-0387848570
5. *Machine Learning: An Algorithmic Perspective*, 2<sup>nd</sup> Edition  
**Author:** Stephen Marsland; CRC Press; 2014. **ISBN-13:** 978-1-4614-7137-0
6. *Deep Learning*, 1<sup>st</sup> Edition  
**Authors:** Ian Goodfellow, Yoshua Bengio, and Aaron Courville; MIT Press; 2016. (DL) **ISBN-13:** 978-0262035613
7. *Neural Networks and Learning Machines*, 3<sup>rd</sup> Edition  
**Author:** Simon Haykin; Pearson; 2008. **ISBN-13:** 978-0131471399
8. *Neural Networks and Deep Learning: A Textbook*, 1<sup>st</sup> Edition  
**Authors:** Charu Aggrawal; Springer; 2018. **ISBN-13:** 978-3319944623
9. *Introduction to Machine Learning*, 2<sup>nd</sup> Edition  
**Author:** Ethem Alpaydine; MIT Press; 2010. (AL) **ISBN-13:** 978-8120350786
10. *Machine Learning*, 1<sup>st</sup> Edition  
**Authors:** Tom M. Mitchell; McGraw-Hill Education; 1997. **ISBN-13:** 978-0070428072

## Grading Policies:

- The letter grade distribution table guarantees the *minimum* grade each student will receive based on their final score. When appropriate, relative performance measures will be used to assign the final grade, at the discretion of the instructor.
  - Final grades are non-negotiable and are assigned at the discretion of the instructor. If you cannot accept this condition, you should not enroll in this course.
- Your lowest homework grade and half of your second lowest homework grade will be dropped from the final grade. For example, if you received 90, 85, 10, 95, 65, 80, 100, 100 your homework score will be  $\frac{0.5 \times 65 + 80 + 85 + 90 + 95 + 100 + 100}{6.5} = 89.62$  instead of  $\frac{10 + 65 + 80 + 85 + 90 + 95 + 100 + 100}{8} = 78.13$ . This policy makes up for missing assignments because of heavy workload, sickness, etc. Remember that if you miss an assignment because of heavy workload in other courses and then miss another one because of sickness, only the second assignment's grade will be completely dropped from your score. Be aware of this when you decide not to submit an assignment, because later you may become sick.
- Homework 0 will not be graded.
- \*Participation on Piazza has up to 5% extra credit, which is granted on a competitive basis *at the discretion of the instructor*.

## • Homework Policy

- Homework is assigned on an approximately biweekly basis. Homework due dates are mentioned in the course outline, so mark your calendars. A three-day grace period can be used for each homework with 10% penalty per day. Any change in homework after the deadline makes it a late submission. *Absolutely no late homework will be accepted after the grace period. A late assignment results in a zero grade.*
- Late Days: No late homework will be accepted after the three day grace period. One second after the deadline is considered late. However, students are allowed to use *six* late days for homework for any reason (including sickness, family emergencies, overwhelming workload, exams, etc) *without incurring the 10% penalty*. Beyond that, no individual extension will be granted to anyone for any reason whatsoever.
 

**Example:** A student can submit six assignments, one day late each, without any penalty. Or three assignments, two days late each, without penalty, or two assignments three days late each. A student cannot use four late days for one assignment, and two late days for another assignment. An assignment submitted four days late will receive a zero grade, although its grade will be dropped as the lowest homework grade, according to the above grading policies.
- Use your six late days strategically and only if you absolutely need them. Always remember that later in the semester, you might become sick or have heavy workload in other courses and might need to use your late days.
- Assignments are *project-style*; therefore, *we do not provide solutions to the assignments*. This is a firm rule.
- Poor internet connection, failing to upload properly, or similar issues are NOT acceptable reasons for late submissions. If you want to make sure that you do not have such

problems, submit homework eight hours earlier than the deadline. Please do not ask the instructor to make individual exceptions.

- Homework is graded based on *when it was submitted, not when it was finished*.
- Homework solutions and simulation results should be typed or *scanned* using scanners or mobile scanner applications like CamScanner and uploaded (photos taken by cell-phone cameras and in formats other than pdf will NOT be accepted). Programs and simulation results have to be uploaded on GitHub as well.
- Students are encouraged to discuss homework problems with one another, but each student must do their own work and submit individual solutions written/ coded in their own hand. Copying the solutions or submitting identical homework sets is written evidence of cheating. The penalty ranges from F on the homework or exam, to an F in the course, to recommended expulsion.

**Important Note:** One important (but not exclusive) instance of cheating is having access to other students' solutions. Claims of "being inspired" by other students' codes, or using them as "sample code" are not acceptable. We will use software to check your code against codes submitted this semester and all previous semesters. Similarity of submissions will be considered as written evidence of plagiarism and will be reported to officials for disciplinary actions. Asking questions from your peers and exchanging tips about coding are highly encouraged and should not be confused with outright cheating.

- Posting the homework assignments and their solutions to online forums or sharing them with other students is strictly prohibited and infringes the copyright of the instructor. Instances will be reported to USC officials as academic dishonesty for disciplinary action.

### • Exam Policy

- **Make-up Exams:** No make-up exams will be given. If you cannot make the above dates due to a class schedule conflict or personal matter, you must drop the class. In the case of a required business trip or a medical emergency, a signed letter from your manager or physician has to be submitted. This letter must include the contact of your physician or manager.
- An excused absence supported by documents in the first midterm can be made up by using the second midterm's grade in lieu of the first midterm. An excused absence in the second midterm results in an IN (incomplete) grade.
- Exams will be closed book and notes. Calculators are allowed but computers and cell-phones or using any devices that have internet capability are not allowed, except for writing the solutions or being proctored are not allowed. One letter size cheat sheet (back and front) is allowed for Midterm 1. Two letter size cheat sheets (back and front) are allowed for Midterm 2.
- All exams are cumulative, with an emphasis on material presented since the last exam.
- For several reasons, including unauthorized circulation of previous exams, we DO NOT provide exam solutions. This is a firm rule.
- For several reasons, including the difficult logistics of dealing with a large class, we may not be able to hold a regrading session for the exams. Please make sure that you understand this rule when you take this course.

### • Project

- The final project is more like a slightly extended Homework that will be assigned after Midterm 2 as the final summative experience.
- The project topic and steps will be provided to students, similar to homework assignments.
- Projects must be finished *individually*.
- A short grace period of a few hours after the project deadline will be given to students for 30% penalty. Late submissions will be graded zero. One second late is late.
- Project is graded based on *when it was submitted, not when it was finished*.
- Homework late days *cannot* be used for project in any circumstances.

- **Attendance:**

- Students are required to attend all the lectures and discussion sessions and actively participate in class discussions. Use of cellphones and laptops is prohibited in the classroom. If you need your electronic devices to take notes, you should discuss with the instructor at the beginning of the semester.

**Important Notes:**

- Textbooks are secondary to the lecture notes and homework assignments.
- Handouts and course material will be distributed.
- Please use your USC email to register on Piazza and to contact the instructor and TAs.

TUESDAY		THURSDAY	
Jan 14th	1	16th	2
<b>Introduction to Statistical Learning</b> (ISLR Chs.1,2, ESL Chs.1,2) Motivation: Big Data Supervised vs. Unsupervised Learning		<b>Introduction to Statistical Learning</b> (ISLR Chs.1,2, ESL Chs.1,2) Regression, Classification The Regression Function Nearest Neighbors	
21st	3	23rd	4
<b>Introduction to Statistical Learning</b> (ISLR Chs.1,2, ESL Chs.1,2) Model Assessment The Bias-Variance Trade-off No Free Lunch Theorem		<b>Linear Regression</b> (ISLR Ch.3, ESL Ch. 3) Estimating Coefficients Estimating the Accuracy of Coefficients	
28th	5	30th	6
<b>Linear Regression</b> (ISLR Ch.3, ESL Ch. 3) Variable Selection and Hypothesis Testing Multiple Regression Analysis of Variance and the F Test		<b>Linear Regression</b> (ISLR Ch.3, ESL Ch. 3) Stepwise Variable Selection Qualitative Variables	
Feb 4th	7	6th	8
<b>Classification</b> (ISLR Ch. 4, ESL Ch. 4) Multi-class and Multi-label Classification Logistic Regression Class Imbalance Hypothesis Testing and Variable Selection		<b>Classification</b> (ISLR Ch. 4, ESL Ch. 4) Subsampling and Upsampling SMOTE Multinomial Regression Bayesian Linear Discriminant Analysis	
11th	9	13th	10
<b>Classification</b> (ISLR Ch. 4, ESL Ch. 4) Measures for Evaluating Classifiers Quadratic Discriminant Analysis* Comparison with K-Nearest Neighbors The Naïve Bayes' Classifier Text Classification Feature Creation for Text Data Handling Missing Data		<b>Resampling Methods</b> (ISLR Ch. 5, ESL Ch. 7) Model Assessment Validation Set Approach Cross-Validation The Bias-Variance Trade-off for Cross-Validation The Bootstrap Bootstrap Confidence Intervals	

TUESDAY		THURSDAY	
18th	11	20th	12
<b>Linear Model Selection and Regularization</b> (ISLR Ch.6, ESL Ch. 3) Subset Selection AIC, BIC, and Adjusted $R^2$ Shrinkage Methods Ridge Regression		<b>Linear Model Selection and Regularization</b> (ISLR Ch.6, ESL Ch. 3) The LASSO Elastic Net Dimension Reduction Methods*	
25th	13	27th	14
<b>Tree-based Methods</b> (ISLR Ch. 8, ESL Chs. 9, 10) Regression and Classification Trees Cost Complexity Pruning		<b>Tree-based Methods</b> (ISLR Ch. 8, ESL Chs. 9, 10, 16) Bagging, Random Forests, and Boosting	
Mar 4th	15	6th	16
<b>Support Vector Machines</b> (ISLR Ch. 9, ESL Ch. 12) Maximal Margin Classifier Support Vector Classifiers		<b>Support Vector Machines</b> (ISLR Ch. 9, ESL Ch. 12) The Kernel Trick Support Vector Machines L1 Regularized SVMs Multi-class and Multilabel Classification The Vapnik-Chervonenkis Dimension* Support Vector Regression	
11th	17	13th	18
<b>Unsupervised Learning</b> (ISLR Ch. 12, ESL Ch. 14) K-Means Clustering Hierarchical Clustering		<b>Unsupervised Learning</b> (ISLR Ch. 12, ESL Ch. 14) Practical Issues in Clustering	
18th		20th	
Spring Recess		Spring Recess	
25th	19	27th	20
<b>Unsupervised Learning</b> (ISLR Ch. 12, ESL Ch. 14) Principal Component Analysis Anomaly Detection* Association Rules* Mixture Models and Soft K-Means*		<b>Active and Semi-Supervised Learning</b> Semi-Supervised Learning Self-Training Co-Training Yarowsky Algorithm Refinements Active vs. Passive Learning Stream-Based vs. Pool-Based Active Learning Query Selection Strategies	



TUESDAY		THURSDAY	
Apr 1st	21	3rd	22
<b>Neural Networks and Deep Learning</b> (ISLR Ch. 10, ESL Ch. 11, DL Ch. 6) The Perceptron Feedforward Neural Networks Backpropagation and Gradient Descent Overfitting		<b>Neural Networks and Deep Learning</b> (DL Chs. 6, 7) Autoencoders and Deep Feedforward Neural Networks Regularization Early Stopping and Dropout Adversarial Training*	
8th	23	10th	24
<b>Neural Networks and Deep Learning</b> (ISLR Ch. 12, DL Chs. 9, 10) Convolutional Neural Networks Sequence Modeling Recurrent Neural Networks		<b>Neural Networks and Deep Learning</b> (ISLR Ch. 12, DL Ch. 10) Sequence-to-Sequence Modeling* Long Short Term Memory (LSTM) Neural Networks	
15th	25	17th	26
<b>Hidden Markov Models</b> (AL Ch. 15) Principles The Viterbi Algorithm		<b>Reinforcement Learning*</b> Definitions Task-Reward-Policy Formulation Total Discounted Future Reward Optimal Policy Value Function Q-Function The Bellman Equation Q-Learning Exploration- Exploitation Temporal Difference Learning Extensions to Stochastic Environments and Rewards Deep Reinforcement Learning	
22nd	27	24th	28
<b>Fuzzy Systems*</b> Fuzzy Sets Set Operations T-norms, T-conorms, and Fuzzy complements Cylindrical Extensions and Fuzzy Relations Fuzzy If-Then Rules as Association Rules		<b>Fuzzy Systems*</b> Inference from Fuzzy Rules Fuzzification and Defuzzification Learning Fuzzy Rules from Examples The Wang-Mendel Algorithm Fuzzy C-Means Clustering	
29th	29	May 1st	30
<b>Guest Lecture*</b>		<b>Guest Lecture*</b>	

Notes:

- Items marked by \* will be covered only if time permits.

## Homework Due Dates & Exams

FRIDAY	
Jan 17th -	1
24th -	2
31st <b>Homework 0 Due (not graded)</b>	3
Feb 7th <b>Homework 1 Due</b>	4
14th <b>Homework 2 Due</b>	5
21st -	6
28th <b>Homework 3 Due</b>	7
Mar 7th <b>Homework 4 Due</b>	8
14th <b>[Midterm 1]</b>	9
21st Spring Recess	
28th <b>Homework 5 Due</b>	10
Apr 4th <b>Homework 6 Due</b>	11

FRIDAY	
11th <b>Homework 7 Due</b>	<b>12</b>
18th -	<b>13</b>
25th <b>Homework 8 Due</b>	<b>14</b>
May 2nd <b>[Midterm 2]</b>	<b>15</b>

## 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](http://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](#).

### Course Content Distribution and Synchronous Session Recordings Policies

USC has policies that prohibit recording and distribution of any synchronous and asynchronous course content outside of the learning environment. Recording a university class is prohibited without the express permission of the instructor and announcement to the class, or unless conducted pursuant to an Office of Student Accessibility Services (OSAS) accommodation. Recording can inhibit free discussion in the future, and thus infringe on the academic freedom of other students as well as the instructor. (Living our Unifying Values: The USC Student Handbook, page 13). Distribution or use of notes, recordings, exams, or other intellectual property, based on university classes or lectures is prohibited without the express permission of the instructor for purposes other than individual or group study. This includes but is not limited to providing materials for distribution by services publishing course materials. This restriction on unauthorized use also applies to all information, which had been distributed to students or in any way had been displayed for use in relationship to the class, whether obtained in class, via email, on the internet, or via any other media. (Living our Unifying Values: The USC Student Handbook, page 13).

### Using Generative AI and Large Language Models:

Use of AI and specifically Large Language Models (LLMs) is allowed. However, it is only allowed as a tool to assist in learning. That is to say, that you may use AI models such as ChatGPT or

Claude 2 to help understand the assignments, to ask generic questions about programming and to generate code samples that could be of use to explain how certain programming constructs work. Submitting assignments completely generated by AI is strictly prohibited and when discovered will be awarded 0 points for the assignment. We will be utilizing additional software to check for code generated by an AI. You must also specify which part of each assignment was done using help from AI.

Note that:

- You should also be aware that AI text generation tools may present incorrect information, biased responses, and incomplete analyses; thus, their answers may not meet the standards of this course.
- To adhere to our university values, you must cite any AI-generated material (e.g., text, images, program code and other content) included or referenced in your work and provide the prompts used to generate the content. Using an AI tool to generate content without proper attribution will be treated as plagiarism and reported to the Office of Academic Integrity. Cite and credit AI-generated material using MLA Style as described in USC Libraries AI Generators Citation Guidance.

### **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](https://osas.usc.edu). You may contact OSAS at (213) 740-0776 or via email at [osasfrontdesk@usc.edu](mailto:osasfrontdesk@usc.edu).

### **Support Systems:**

*Counseling and Mental Health - (213) 740-9355 – 24/7 on call*  
[studenthealth.usc.edu/counseling](https://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](https://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](https://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](http://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](http://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](http://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](http://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](http://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](http://dps.usc.edu), [emergency.usc.edu](http://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](http://dps.usc.edu) Non-emergency assistance or information.

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

[ombuds.usc.edu](http://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](mailto:otfp@med.usc.edu)*

[chan.usc.edu/otfp](http://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.