



School of Engineering  
*Information  
Technology Program*

## ITP 349 – Enterprise Data Analytics

Units: 4

Fall 2024, Noon–1:50PM MW

Location: SGM 101

Instructor: Mike Lee

Contact Info: [mikelee@usc.edu](mailto:mikelee@usc.edu)

Office Hours: [bit.ly/professorlee](https://bit.ly/professorlee)

### Learning Assistants:

- Lead: Leilani Ventura ([lcventur@usc.edu](mailto:lcventur@usc.edu))
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- Section: TBD

See [bit.ly/professorlee](https://bit.ly/professorlee) for latest info

### IT Help:

USC IT (ITS): <https://itservices.usc.edu/contact/>

Viterbi IT: <https://viterbi.usc.edu/resources/vit/contact-us.htm>

### Course Description

While the increased capacity and availability of data gathering and storage systems have allowed enterprises to store more information than ever before, most organizations still lack the ability to effectively consolidate, arrange, and analyze this vast amount of data. Digital transformation using data analytics techniques has become a highly sought-after skill in business, engineering, services, science, health, and other industries.

This course will explore the theory and practice of the following areas:

- Enterprise Organizational Structure and Decision Making
- Enterprise Data Warehouses
- Data Analytics used by Enterprises
- USC Applied Data Analytics Methodology (ADAM)

### Learning Objectives

After completing the course, students will be able to

- Understand the organizational structure of enterprises (large organizations)
- Understand how enterprises make major technology decisions
- Define enterprise data analytics and its drivers
- Describe the components of an enterprise data warehouse
- Model the relational database required for an enterprise data warehouse
- Extract, cleanse, consolidated, and transform heterogeneous data into a single enterprise data warehouse
- Explore any data set and apply a repeatable approach to data analytics to gain relevant insights
- Apply data analytics techniques that is in demand by enterprises

**Prerequisite(s):** ITP 320 or ITP 249

### **Remote Attendance**

This course does not support remote attendance. Lectures will not be recorded or available on Zoom, there are short in-person individual/group activities during many class meetings and exams are in-person.

### **Course Notes**

All course materials will be made available through Blackboard. These include:

- Lecture slides
- In-class exercises
- Homework assignments
- Readings
- Software details and instructions for accessing Viterbi Virtual Lab
- Grades and feedback
- Office hours
- Online discussion forums will be used for out-of-class discussions

Announcements made in class and content posted in Blackboard will supersede the contents of this syllabus.

### **USC Technology Support Links**

[Zoom information for students](#)

[Blackboard help for students](#)

[Software available to USC Campus](#)

### **Technological Proficiency and Hardware/Software Required**

The assignments for this class will include both reading assignments as well as hands-on computer assignments. Students must bring their laptop computers (phones/tablets are not sufficient) to lecture sessions to participate in hands-on activities. Students will be given tutorials to gain familiarity with software tools.

Most of the enterprise software required for the class is Windows based or delivered via the cloud. The software will be provisioned through the Viterbi Virtual Lab, Amazon Web Services, Google Cloud, SAP Cloud and/or installed your computer. Specifically, students will be using:

- SAP BW/4HANA and/or SAP Analytics Cloud
- Eclipse for SAP BW Modeling (installed locally or Viterbi Virtual Lab)
- SAP Analysis for Microsoft Excel (installed locally or Viterbi Virtual Lab)
- Amazon Web Services/RDS (cloud)
- ChatGPT and other Generative AI tools (semester specific)
- Relational Database/SQL (cloud)
- Google Colab/Python/Pandas (cloud)
- Github (cloud)
- Python/Pandas
- SQL
- \* Microsoft Power BI (optional – windows only)
- \* Google Big Query/Shopify (optional)

\* bonus exercises that students may use to add to resume skill sets

### **VITERBI VIRTUAL LAB – VMWARE VDI**

Some software can also be accessed via Virtual Desktop by logging into the General Desktop at: <http://mydesktop.vlabs.usc.edu>. If prompted enter <http://mydesktop.vlabs.usc.edu> as the VDI server. See blackboard for additional instructions on installing.

Alternatively, you can install the required software on your Windows machine (no support will be provided). Instructions will be posted on Blackboard.

## Readings and Supplementary Materials

Reading and supplementary materials will be announced in class and published on Blackboard.

## Description and Assessment of Assignments

*Homework:* Most homework is computer based. Homework should be turned in to Blackboard. Grading will be based on completeness, accuracy, and timeliness. Feedback will be provided through Blackboard. These are individual effort assignments. **One homework assignment will be dropped (lowest score) from your grade calculation.**

*In-Class Exercises:* are guided Q&A and hands-on exercises that are used to spark additional discussion and deeper understanding of the materials and concepts before the student leaves the class. Announcement of in-class exercises may or may not be given prior to the class. In-class exercises can be team or individual exercises. The score used for grading is the percentage of in-class exercises completed and turned in in-class. **Two in-class exercises will be dropped (lowest scores) from your grade calculation.**

*Exams:* Each exam will be comprised of 1) in-person and in-class multiple-choice part during class-time and 2) take-home project that you will have several days to complete. Details will be posted on Blackboard.

## Grading Breakdown

Homework	30%
In-Class Exercises	10%
Midterm	25%
Quiz	10%
Final	25%
TOTAL	100%

## Grading Scale

Course final grades will be determined using the following scale:

A	95-100
A-	90-94
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	59 and below

## Grading Timeline

Grading will typically be completed 7 days after submission. Any variations will be announced in class or on Brightspace. **Regrade requests must be submitted within a week of the grades being published unless otherwise communicated in class.**

### **Generative AI Policy**

Use of Generative AI technologies, including ChatGPT, are encouraged and allowed unless explicitly stated otherwise. **YOU MUST CITE THAT YOU USED THE TECHNOLOGY AND INCLUDE ALL PROMPTS THAT YOU HAVE USED.**

### **Policies**

Students are expected to attend and participate in lecture discussions, in-class exercises, and team meetings.

Assignments turned in late will have 25% of the total points deducted from the graded score for each late day.

No make-up exams (except for documented medical or family emergencies) will be offered. If they will not be able to attend an exam due to an athletic game or other valid reason, then they must coordinate with the instructor before the exam is given. They may arrange to take the exam before they leave, with an approved university personnel during the time they are gone, or within the week the exam is given. If students do not take an exam, then they will receive a 0 for the exam. Accommodations religious observance must be arranged with the Professor at least two weeks before the exam.

If students need accommodations authorized by OSAS (Office of Student Accessibility Services), notify the instructor at least two weeks before the exam. This will allow time for arrangements to be made.

### **Sharing of course materials outside of the learning environment**

*SCampus Section 11.12(B)*

*Distribution or use of notes or recordings based on university classes or lectures without the express permission of the instructor for purposes other than individual or group study is a violation of the USC Student Conduct Code. This includes, but is not limited to, providing materials for distribution by services publishing class notes. 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. (See Section C.1 Class Notes Policy).*

<b>Course Schedule</b>			
<b>Week</b>	<b>Date</b>	<b>Lecture Topic(s)</b>	<b>See Blackboard for Due Dates</b>
<b>1</b>	8/26	Course Introduction <ul style="list-style-type: none"> <li>• What is an Enterprise?</li> <li>• What is Enterprise Data Analytics?</li> <li>• USC Applied Data Analytics Methodology (ADAM)</li> <li>• Use Cases</li> <li>• Career Relevance</li> <li>• Course Overview</li> </ul>	
	8/28	Enterprise Structure <ul style="list-style-type: none"> <li>• Structure of enterprises</li> <li>• CIO reporting structure</li> <li>• Technology decision making</li> <li>• Components of a strategy</li> <li>• Strategy tools – Gartner Magic Quadrant</li> </ul>	
<b>2</b>	9/2	<b>NO CLASS – LABOR DAY</b>	
	9/4	Data Concepts <ul style="list-style-type: none"> <li>• Structured vs Unstructured Data</li> <li>• Type vs Instance</li> <li>• Physical vs Virtual</li> <li>• Data Storage Component</li> <li>• Master Data vs Transactional Data</li> <li>• Big Data vs Enterprise Data</li> </ul> Relational Database for Analytics <ul style="list-style-type: none"> <li>• Relational Database for Analytics vs non-Analytics</li> <li>• Data sets: Narratives, Data dictionary &amp; ER diagrams</li> <li>• Entity relationship diagram (ERD or ER Diagram)</li> <li>• Crows foot notation</li> </ul> Entity, relation, key, attributes, relationships, cardinality, referential integrity constraint	HW1: ER Diagram – you will create a data dictionary and ER diagram from narratives  TAKE HOME: Install MySQL Workbench on Laptop

3	9/9	<p>Data Modeling for Analytics – Lucid Chart</p> <ul style="list-style-type: none"> <li>• Online ER Diagram Creation</li> <li>• Entities, Key, Field, Type</li> <li>• Relationships &amp; Crows Foot Notation</li> <li>• Exporting ERD to DDL</li> </ul> <p><i>In-Class: ER Diagram (LucidChart) – design ER diagram in LucidChart and export to SQL DDL.</i></p> <p>Amazon Web Services (AWS) / RDS Overview</p> <ul style="list-style-type: none"> <li>• Amazon Web Services &amp; Relational Data Service</li> <li>• Creating a Database</li> <li>• Creating and Modifying Schemas</li> <li>• Loading Data</li> <li>• Querying</li> </ul> <p><i>In-Class: Build Your Lab (AWS/RDS) – you will be creating a database in AWS/RDS, building a simple schema, and testing connectivity from MySQL workbench to your database</i></p>	
	9/11	<p>SQL for Analytics (part 1)</p> <ul style="list-style-type: none"> <li>• SQL for Analytics vs non-Analytics</li> <li>• Data Manipulation Commands</li> <li>• CREATE, DROP, INSERT, UPDATE, &amp; DELETE</li> <li>• Creating and Modifying Schemas: CREATE SCHEMA</li> <li>• Loading Data: USE &amp; INSERT</li> <li>• Querying: SELECT</li> </ul> <p>SQL for Analytics (part 2)</p> <ul style="list-style-type: none"> <li>• Data Set: Narrative, Data dictionary &amp; ER diagram</li> <li>• SELECT &amp; JOIN</li> <li>• Loading Data</li> <li>• Querying</li> </ul>	<p>HW#2 - AWS/RDS – you will be implementing the ER diagram that you previously designed in LucidChart in the lab the you previously built int AWS/RDS. You will also load and query the data using SQL.</p>
4	9/16	<p>Enterprise Use of Generative AI</p> <ul style="list-style-type: none"> <li>• Enterprise Use of Generative AI/ChatGPT</li> <li>• Gartner Access</li> <li>• ChatGPT Access</li> <li>• Image AI Access</li> </ul>	
	9/18	<p>Hands on Generative AI/ChatGPT</p> <ul style="list-style-type: none"> <li>• ChatGPT setup</li> <li>• Brainstorm your own innovative product</li> <li>• Product pitch</li> <li>• Lexica Art setup</li> <li>• Prototype design</li> <li>• Speechify Studio setup</li> </ul> <p><i>In-Class: Hands on setting up and using the generative AI tools that you will use for your homework</i></p>	<p>HW#3 – Generative AI/ChatGPT – you will leverage generative AI tools to launch a new product</p>

5	9/23	<p>Data Warehouse Concepts</p> <ul style="list-style-type: none"> <li>• What is a Data Warehouse? <ul style="list-style-type: none"> <li>○ Transactional (OLTP) vs Data Warehouse Systems (OLAP)</li> <li>○ Need for Data Warehouse</li> </ul> </li> <li>• Importance of Master Data</li> <li>• Data Warehouse Components</li> <li>• Data Warehouse Process</li> <li>• Multi-Dimensional Data <ul style="list-style-type: none"> <li>○ Multi-Dimensional Modeling</li> <li>○ Multi-Dimensional Data Storage</li> <li>○ Tabular vs multi-dimensional data</li> </ul> </li> <li>• Star Schema <ul style="list-style-type: none"> <li>○ Fact tables (transactional data)</li> <li>○ Dimension tables (master data)</li> </ul> </li> <li>• Design Star Schema from Transactional Systems</li> </ul>	
	9/25	<p>Data Warehouse Implementation</p> <ul style="list-style-type: none"> <li>• Identify, Collect, &amp; Clean: Narrative, Data dictionary &amp; ER diagram</li> <li>• Model: Dimension tables (master data)</li> <li>• Model: Fact tables (transactional data)</li> </ul>	
6	9/30	<p>Data Warehouse Implementation – Continued</p> <p><i>In-Class: Design and load Star Schema Datawarehouse (Lucid Chart, AWS RDS, MySQL Workbench)</i></p>	<p>HW#4 – Star Schema Warehouse – you will load transactional DDL files, design star schema, load the star schema from tables from the transactional tables using staging tables.</p>
	10/2	Midterm Review	
	10/7	<b>NO CLASS – PRESIDENT’S DAY</b>	

7	10/9	<b>Midterm - Part 1</b> <ul style="list-style-type: none"> <li>• Take Home Assigned</li> </ul> Enterprise Data Warehouse Fundamentals <ul style="list-style-type: none"> <li>• What is an Enterprise Data Warehouse?</li> <li>• Additional Enterprise Needs             <ul style="list-style-type: none"> <li>○ Historization (Time Dependency)</li> <li>○ Language Dependency</li> <li>○ Multi-currency/unit of measure</li> </ul> </li> <li>• Snowflake Schema             <ul style="list-style-type: none"> <li>○ Fact Tables</li> <li>○ Dimensional Tables</li> <li>○ Master Data Tables</li> </ul> </li> <li>• Master data tables             <ul style="list-style-type: none"> <li>○ Attributes – Display, Navigational</li> <li>○ Texts</li> <li>○ Hierarchies</li> </ul> </li> <li>• Difference between star schema and snowflake schema</li> </ul>	Assigned Video Lecture
8	10/14	<b>Midterm – Part 2</b> <ul style="list-style-type: none"> <li>• Multiple Choice - taken in class</li> </ul>	
	10/16	Enterprise Data Warehouse Implementation <ul style="list-style-type: none"> <li>• Why SAP?</li> <li>• SAP HANA Database</li> <li>• SAP BW/4HANA</li> <li>• SAP BW Key Components</li> </ul>	
9	10/21	InfoObjects - SAP's Data Warehouse Catalog <ul style="list-style-type: none"> <li>• Enterprise-Wide Definition</li> <li>• Characteristics             <ul style="list-style-type: none"> <li>○ Master Data</li> <li>○ Physical Storage</li> <li>○ Creating Characteristics</li> <li>○ Time Dependency (Historization)</li> <li>○ Language Dependency</li> <li>○ How Used</li> </ul> </li> <li>• Key Figures             <ul style="list-style-type: none"> <li>○ Creating Key Figures</li> <li>○ Multi-Currency</li> <li>○ Unit of Measure</li> <li>○ Standard and Exception Aggregation</li> </ul> </li> <li>• How Used</li> </ul>	HW#5 - InfoObjects
	10/23	Loading Master Data: Characteristics <ul style="list-style-type: none"> <li>• Moving data through the data warehouse</li> <li>• ETL</li> <li>• Process chains</li> <li>• Master data loading into characteristics</li> </ul>	



<b>10</b>	10/28	<p>InfoProviders: Data Containers/Views</p> <ul style="list-style-type: none"> <li>● Advanced Data Stores (ADSOs)</li> <li>● Defining an ADSO</li> <li>● Composite providers</li> <li>● Defining a composite provider</li> <li>● Changing output</li> </ul> <p>Loading Transactional Data: Fact Table Loading</p> <ul style="list-style-type: none"> <li>● Source systems</li> <li>● Data Sources</li> <li>● Extractors for data (APIs etc.)</li> <li>● Mapping of fields</li> <li>● Transformation rules</li> <li>● Data cleansing and harmonization</li> </ul> <p>Transactional data loading into ADSOs</p>	HW#6 – InfoProviders
	10/30	<p>Data Analyst: Queries</p> <ul style="list-style-type: none"> <li>● Enterprise Analyst Roles &amp; Organization</li> <li>● Query basics</li> <li>● Query designer <ul style="list-style-type: none"> <li>○ Sheet definition</li> <li>○ Filter</li> <li>○ Free characteristics</li> <li>○ Conditions</li> <li>○ Exceptions</li> </ul> </li> <li>● Calculated key figures / formulas</li> <li>● Navigational and display attributes</li> <li>● Currency conversion</li> </ul> <p><i>In-Class: Queries</i></p>	HW#7 - Queries
<b>11</b>	11/4	<p>Business Analyst: Analysis for Excel</p> <ul style="list-style-type: none"> <li>● Enterprise software nomenclature</li> <li>● Enterprise analyst roles &amp; data organizations</li> <li>● Analysis basics</li> <li>● SAP BW Query vs Analysis for Excel</li> <li>● Dimensions</li> <li>● Members</li> <li>● Hierarchy</li> <li>● Measures</li> <li>● Filter by member</li> <li>● Filter by measure</li> <li>● Conditional formatting</li> </ul> <p><i>In-Class: Analysis for Excel</i></p>	HW#8- Analysis for Excel

	11/6	<p>USC Applied Data Analytics Methodology (ADAM)</p> <ul style="list-style-type: none"> <li>● Importance of an Approach</li> <li>● Methodology: Identify, Collect, Clean, Model, Analyze, Publish</li> <li>● Toolkits</li> <li>● Use Cases</li> </ul> <p>Date Sets*</p> <ul style="list-style-type: none"> <li>● Wordle</li> <li>● Electric Bill</li> <li>● Student Survey</li> <li>● NBA Regular Season Stats</li> </ul> <p>* Data sets may change</p>	
<b>12</b>	11/11	<b>Quiz – SAP BW/4HANA</b> (see video for prep)	
	11/13	<p>USC ADAM + Python Toolkit</p> <ul style="list-style-type: none"> <li>● Google Colab Overview</li> <li>● Notebook vs Runtime</li> <li>● Connecting to a Runtime</li> <li>● Temporary Modules / Files</li> <li>● Github</li> <li>● Python &amp; Libraries</li> <li>● Other sources of data</li> </ul> <p><i>In-Class: Build Your Lab (Google Colab &amp; Github) - you will be loading data from Github into Google Colab to perform simple analysis.</i></p>	
<b>13</b>	11/18	<p>Pandas for Analytics (part 1)</p> <ul style="list-style-type: none"> <li>● What is Pandas for Analytics?</li> <li>● Data Set Overview</li> <li>● Data Storage Components <ul style="list-style-type: none"> <li>○ Data Frames: Tabular Data</li> <li>○ Series: Column of Data</li> </ul> </li> <li>● Loading/saving data</li> <li>● Viewing data <ul style="list-style-type: none"> <li>○ Shape</li> <li>○ Selection</li> </ul> </li> <li>● Cleaning data <ul style="list-style-type: none"> <li>○ Remove</li> <li>○ Format</li> <li>○ Reshape</li> <li>○ Lamba</li> </ul> </li> <li>● Model <ul style="list-style-type: none"> <li>○ Calculated columns</li> <li>○ Merge</li> <li>○ Grouping</li> </ul> </li> </ul> <p>Analysis</p>	HW#9 – Pandas for Analytics
	11/20	<p>USC ADAM – Hands On</p> <p><i>In-Class Exercise: NBA Statistics</i></p>	

<b>14</b>	11/25	Pandas for Analytics (part 2) <ul style="list-style-type: none"> <li>● Lambda</li> <li>● Data Visualization             <ul style="list-style-type: none"> <li>○ Matplotlib vs Alternatives</li> <li>○ Histogram</li> <li>○ Bar &amp; Stacked Bar</li> <li>○ Line</li> <li>○ Area &amp; Area Stacked</li> <li>○ Pie &amp; Donut</li> <li>○ Scatter &amp; Scattered Bubble</li> </ul> </li> </ul> <p><i>In-Class Exercise: Data Set TBD</i></p>	HW#10 – Data Visualization (Video will be assigned, no in-person class)
	11/27	<b>NO CLASS – THANKSGIVING HOLIDAY</b>	
<b>15</b>	12/2	Analysis Techniques - beyond simple visualization <ul style="list-style-type: none"> <li>● USC ADAM Helpers</li> <li>● Correlation Analysis</li> <li>● Cohort Analysis</li> <li>● Data Visualization Advanced Commands</li> </ul> <p><i>In-Class Exercise: Data Set TBD</i></p>	HW#11 – Analysis Techniques
	12/4	Final Exam Review  Course Wrap Up & Questions <ul style="list-style-type: none"> <li>● Industry &amp; Discussions</li> <li>● Bonus Projects</li> </ul>	
<b>Finals Exam</b>		<b>Final Exam – In-Class Coding Exam</b>	

\* Data sets change each semester. Data set listed is the possible data set that will be used.

## Statement on Academic Conduct and Support Systems

### **Academic Integrity:**

The University of Southern California is a learning community committed to developing successful scholars and researchers dedicated to the pursuit of knowledge and the dissemination of ideas. Academic misconduct, which includes any act of dishonesty in the production or submission of academic work, comprises the integrity of the person who commits the act and can impugn the perceived integrity of the entire university community. It stands in opposition to the university's mission to research, educate, and contribute productively to our community and the world.

All students are expected to submit assignments that represent their own original work, and that have been prepared specifically for the course or section for which they have been submitted. You may not submit work written by others or "recycle" work prepared for other courses without obtaining written permission from the instructor(s).

Other violations of academic integrity include, but are not limited to, cheating, plagiarism, fabrication (e.g., falsifying data), collusion, knowingly assisting others in acts of academic dishonesty, and any act that gains or is intended to gain an unfair academic advantage.

The impact of academic dishonesty is far-reaching and is considered a serious offense against the university. All incidences of academic misconduct will be reported to the Office of Academic Integrity and could result in outcomes such as failure on the assignment, failure in the course, suspension, or even expulsion from the university.

For more information about academic integrity see [the student handbook](#) or the [Office of Academic Integrity's website](#), and university policies on [Research and Scholarship Misconduct](#).

Please ask your instructor if you are unsure what constitutes unauthorized assistance on an exam or assignment, or what information requires citation and/or attribution.

### **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 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 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).

### **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

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

#### [988 Suicide and Crisis Lifeline](#) - 988 for both calls and text messages – 24/7 on call

The 988 Suicide and Crisis Lifeline (formerly known as the National Suicide Prevention Lifeline) provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week, across the United States. The Lifeline is comprised of a national network of over 200 local crisis centers, combining custom local care and resources with national standards and best practices. The new, shorter phone number makes it easier for people to remember and access mental health crisis services (though the previous 1 (800) 273-8255 number will continue to function indefinitely) and represents a continued commitment to those in crisis.

#### [Relationship and Sexual Violence Prevention Services \(RSVP\)](#) - (213) 740-9355(WELL) – 24/7 on call

Free and confidential therapy services, workshops, and training for situations related to gender- and power-based harm (including sexual assault, intimate partner violence, and stalking).

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

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

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 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) 740-0411

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

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

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) 442-1200 – 24/7 on call

Non-emergency assistance or information.

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

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) 442-2850 or [otfp@med.usc.edu](mailto:otfp@med.usc.edu)

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

DRAFT