



SYLLABUS

CHEM 7020 INTRODUCTION TO SPECTROSCOPY I

INSTRUCTOR

COURSE DESCRIPTION

Overview

Course CHEM 7020

Department Chemistry

Pre-Requisites Undergraduates require permission of the instructor. Graduate students should have mastered the content of CHEM 3060 or CHEM 7000.

Credit Hours 2

Semester Spring A 2024

Description This course provides an introduction into the application of time-dependent quantum mechanics and perturbation theory in modern spectroscopy. Students will learn to derive selection rules and properties of electronic, vibrational and rotational transitions in atomic and molecular systems. This course covers topics useful for chemists, physicists, and engineers with a solid background in quantum mechanics.

Goals & Objectives


By the end of this course, the student should be able to:

1. Understand how to calculate, in principle, the relative intensity of various types of absorption transitions; understand the Einstein A and B coefficients and the general principles behind lasers; understand the relationship between laser pulse duration and the energy uncertainty of the photon; understand the concept of oscillator strength.

2. Understand electronic transitions in atoms, and how the atomic configurations lead to atomic terms, which are split into levels by the spin-orbit interaction.
3. Understand how a series of analogous electronic states can be fitted to a Rydberg series to extract the ionization energy and quantum defect for the Rydberg electron.
4. Understand the molecular configurations, terms, and levels in diatomic molecules, including which terms and levels arise from the states of the separated atoms.
5. Understand and be able to analyze rotationally resolved transitions in diatomic molecules, whether they occur as pure rotational transitions, vibrational-rotational transitions, or electronic transitions.
6. Understand the concept of Franck-Condon factors, which govern the intensity of vibrational bands in electronic transitions.
7. Understand how to identify the point group of a polyatomic molecule, how to classify the molecular orbitals according to the irreducible representations of the point group, how to classify the overall molecular term according to the irreducible representations, how to determine what symmetry types (irreducible representations) may be generated from a basis set of atomic orbitals, or of atomic displacement vectors, how to determine the symmetries of the normal modes of vibration of a polyatomic molecule, and how to determine whether a vibrational or electronic transition is allowed, forbidden, or vibronically induced. A very thorough grounding in the use of point group theory is provided in this course.
8. Understand two photon processes such as two-photon absorption or Rayleigh/Raman scattering as two concatenated one-photon processes; understand how the rate of such processes can be resonantly enhanced; understand the selection rules for such two photon processes, and how they differ from one-photon processes.



Required Materials

Materials used in this course are:

- Two Textbooks: (1). *Spectra of Atoms and Molecules*(P. F. Bernath, Oxford University Press, 4th edition, 2020, ISBN 978-0190095406). As I'll teach from my own lecture notes, previous editions of this book are fine. **In fact, it isn't necessary that you buy this book, but it is an excellent resource for your bookshelf.** It is also available through the library free of charge as an electronic book. The full book can be downloaded or checked out to students for 100 days. Here's the direct link and basic access instructions: <https://ebookcentral-proquest-com.ezproxy.lib.utah.edu/lib/utah/detail.action?docID=422517> 

<https://ebookcentral-proquest-com.ezproxy.lib.utah.edu/lib/utah/detail.action?docID=422517>).

If this doesn't work, it may be necessary for you to follow these access instructions:

1. Go to the library at <http://lib.utah.edu>  (<http://lib.utah.edu>)
2. If off-campus, connect remotely at <https://lib.utah.edu/help/off-campus.php> 
(<https://lib.utah.edu/help/off-campus.php>)
3. In the big search box, search for the book
4. Click on the title to see the details
5. Select Online Access
6. Follow the link to ProQuest eBook Central or EBSCOhost eBooks
7. Read online or download to your device
8. Contact Librarian Allyson Mower for help downloading to your device/reader at allyson.mower@utah.edu (<mailto:allyson.mower@utah.edu>)

(2). Molecular Symmetry and Group Theory (Alan Vincent, Wiley, 2nd edition, 2001, ISBN 978-0471489399). This is the very best introduction to group theory, a programmed learning style of book. It is especially useful for students whose math background is a little weak. Students rave about this book.

- My lecture notes (available on Canvas as PDF files) are the most useful reference for this course. Many students find them to be more helpful than any text book. Please note that my lecture notes are my copyrighted property. You have my permission to share them with friends and other U of U students, but not to submit them for posting on any online services.
- Video recorded versions of my lectures.

Communication

- All course materials, such as lecture slides, assignments, solutions, grades, etc. will be posted on the [CHEM7020 Canvas Site \(https://utah.instructure.com/courses/928941\)](https://utah.instructure.com/courses/928941). Class announcements will be done via email through the Canvas server. You will be responsible for any information contained in them as well as the information announced in class.
- It is your responsibility to also regularly check your Umail (make sure you set up forwarding if you do not check it regularly), as your Umail is the only way for me to communicate privately with you. There will be occasions during the semester that I may need to reach out to you individually (e.g. regarding a grade or assignment) and it is in your best interest to respond promptly.
- Feel free to contact me by email for questions at morse@chem.utah.edu (<mailto:morse@chem.utah.edu>), I will do my best to answer emails promptly; I will try to

answer within 12 hours. I would like to encourage you to email me only if it is something personal that requires individual attention. If instead you have questions about logistics of the class, course material and assignments, and anything else your classmates may wonder as well, please post a question on the Discussion Board for the module instead. This way the information is shared quickly to the entire class, and each of you can benefit from seeing other classmates' questions.

- I will always do my best to ensure the communication relevant to the course is clear and transparent, it is your responsibility as well to keep yourself updated by regularly checking: the announcements on Canvas, your Umail, the posts on the Discussion Board.
- Students are expected to log in and check Canvas **everyday** for posted announcements and assignments. Students are also strongly advised to set up notifications for Canvas so they do not miss any important notifications.)Please review the communication methods and requirements for this course:

PREFERRED CONTACT METHODS

The easiest way to contact me directly is to use the *Inbox*, located in the far left Canvas menu. Alternatively, you may send an email to me directly at morse@chem.utah.edu (<mailto:morse@chem.utah.edu>).

OFFICE HOURS

To be decided in consultation with the students in the class.

Evaluation

Your performance in this course will be evaluated entirely on the basis of homework. The homework assignments will be extensive and will take considerable time. I will use them to set up a complicated spectroscopic problem, and then will lead you through to the answer in a logical step-by-step process. By successfully completing the homework assignments, you can be assured of an A in this course.

COURSE POLICIES

All assignments, unless otherwise announced, must be submitted to the designated area of Canvas. Do not submit assignments via email. For the homework assignments, work out the solutions on paper and then scan the solutions into PDF format for submission. Make sure the pages are numbered and in proper sequence. Submission of photographs of your work (JPGs) is **unacceptable**.

COVID ACCOMMODATION REQUESTS

Please note: If the need arises, I will be very supportive of special accommodation requests due to COVID. These need to be filed through the department at the site:

<https://chem.utah.edu/forms/secure/covid-accommodations.php>. 

(<https://chem.utah.edu/forms/secure/covid-accommodations.php>) You can also contact me directly, via email at [morse@chem.utah.edu \(mailto:morse@chem.utah.edu\)](mailto:morse@chem.utah.edu). Since the entire grade in this course is based on homework assignments, and I don't need to turn in grades until the end of the full semester, students who need accommodations due to COVID will be automatically given extensions to complete the assignments up to the end of the semester.

Late Assignments

Some extensions will be made for late assignments, as the assignments are lengthy and I'd prefer you do them late rather than not at all. Please request permission to submit late assignments, however.

Grading

HOMWORK SCORES ABOVE 90% WILL GIVE THE STUDENT AN A IN THE COURSE. SCORES BELOW THAT WILL OBTAIN A GRADE TO BE DETERMINED.

Accommodations

DISCLAIMER

Accommodations will be considered on an individual basis and may require documentation.

Please contact Prof. Morse as soon as possible (preferably shortly before the semester begins) to request accommodations of any kind.

EXTREME PERSONAL CIRCUMSTANCES

Please **contact Prof. Morse as soon as possible** if an extreme personal circumstance (hospitalization, death of a close relative, natural disaster, etc.) is interfering with your ability to complete your work. He will make the appropriate accommodations to help you.


RELIGIOUS PRACTICE

To request an accommodation for religious practices, **contact Prof. Morse at the beginning of the semester.**

ACTIVE DUTY MILITARY

If you are student on active duty with the military and experience issues that prevent you from participating in the course **because of deployment or service responsibilities, contact Prof. Morse as soon as possible** to discuss appropriate accommodations.

DISABILITY ACCESS

All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services (CDS). CDS will work with you and Prof. Morse to make arrangements for accommodations. Prior notice is appreciated. To read the full accommodations policy for the University of Utah, please see Section Q of the **[Instruction & Evaluation regulations](http://regulations.utah.edu/academics/6-100.php)**  **[.\(http://regulations.utah.edu/academics/6-100.php\)](http://regulations.utah.edu/academics/6-100.php)**.

If you will need accommodations in this class, contact:

Center for Disability Services

 801-581-5020

 **disability.utah.edu**  **[\(https://disability.utah.edu/\)](https://disability.utah.edu/)**

 162 Union Building

200 S. Central Campus Dr.
Salt Lake City, UT 84112

Changes to the Syllabus


This syllabus is not a contract. It is meant to serve as an outline and guide for your course. Please note that your instructor may modify it to accommodate the needs of your class.


You will be notified of any changes to the Syllabus.


UONLINE EXPECTATIONS

UOnline Student Expectations

Though the online format allows students greater flexibility to complete their work, this course does have a structure and timeline! As such, the following is expected of all students in this class:

- Students must be **self-motivated, organized, and willing to stay on top of their schedule**. Students should take control of their learning while in this course.
- Students are expected to **follow the [Core Rules of Netiquette](http://www.albion.com/netiquette/corerules.html)**  (<http://www.albion.com/netiquette/corerules.html>) at all times while participating in the class and communicating with others.
- Students will **log in** to the course a minimum of **3 times per week**.
- Students are **not expected to interact with their classmates in person**. Students **may be expected to work with classmates via online communication** options like Canvas Discussions, video conferencing, or another communication technologies of choice (Groupme, FaceTime, Google Hangouts, etc).
- Students will **regularly check for course updates** and will **update their Canvas notification settings** to ensure they receive timely notifications from the course.
- Students will **contact their instructor or teaching assistant** in a timely manner if they have any **questions**, are **struggling** with course materials, or **need further assistance** from their instructor.
 - If you do not hear back within 3 days after sending a message, please contact your instructor/TA again.
- Students will **follow all official University of Utah policies** regarding interpersonal conduct, academic dishonesty, and other rights and responsibilities of students outlined in

the [University of Utah Student Handbook](https://registrar.utah.edu/handbook/)  and [Code of Student Rights and Responsibilities](https://regulations.utah.edu/academics/6-400.php) .

- If you have any questions about this, please contact the [Dean of Students](https://deanofstudents.utah.edu/) .

UOnline Instructor Expectations

Your course instructor is an expert in the topics you will learn about this semester. Your instructor is your mentor and facilitator of the classroom experience, aided by teaching assistants. Instructors are committed to:

- The instructor will design the course to **include lectures, learning materials, and assignments that are accessible** and provide students with **opportunities to learn** and practice course content.
- The instructor and teaching assistants will ensure that the **course remains a safe space** where students can engage with difficult content thoughtfully and respectfully.
- The instructor and teaching assistants will **interact with the class regularly** via announcements, virtual office hours (one-on-one video conferencing), emails/the Canvas Inbox, feedback on assignments, and comments on Discussions, among other methods.
- The instructor and teaching assistants will **respond to students in a timely manner**: within 48 hours, not including weekends and holidays.
- The instructor and teaching assistants will be **available for individual consultation** via virtual office hours (one-on-one video conferencing), email, or phone and **will not require students to meet in person**.
- The instructor and teaching assistants will **provide relevant feedback in a timely manner**.
- The instructor and teaching assistants will **follow all official University of Utah policies** regarding interpersonal conduct, accommodations, and other important duties.

UNIVERSITY POLICIES

COVID-19 Information

 [Dean of Student's Covid-19 Information](https://deanofstudents.utah.edu/covid/index.php) 
(<https://deanofstudents.utah.edu/covid/index.php>)

COVID-19 Central @ The U

📞 801-213-2874

🌐 [coronavirus.utah.edu \(https://coronavirus.utah.edu/\)](https://coronavirus.utah.edu/)

Drop/Withdrawal Policies

Students may drop a course within the first two weeks of a given semester without any penalties.

Students may officially withdraw (W) from a class or all classes after the drop deadline through the midpoint of a course. A “W” grade is recorded on the transcript and appropriate tuition/fees are assessed. The grade “W” is not used in calculating the student’s GPA.

For deadlines to withdraw from full-term, first, and second session classes, see the U's [Academic Calendar](https://registrar.utah.edu/academic-calendars/index.php) [↗\(https://registrar.utah.edu/academic-calendars/index.php\)](https://registrar.utah.edu/academic-calendars/index.php).

Academic Honesty, Plagiarism and Cheating

It is assumed that all work submitted to your instructor is your own work. When you have used the ideas of others, you must properly indicate that you have done so.

It is expected that students adhere to University of Utah policies regarding academic honesty, including but not limited to refraining from cheating, plagiarizing, misrepresenting one’s work, and/or inappropriately collaborating. This includes the use of generative artificial intelligence (AI) tools without citation, documentation, or authorization. Students are expected to adhere to the prescribed professional and ethical standards of the profession/discipline for which they are preparing. Any student who engages in academic dishonesty or who violates the professional and ethical standards for their profession/discipline may be subject to academic sanctions as per the University of Utah’s Student Code: <https://regulations.utah.edu/academics/6-410.php> [↗\(https://regulations.utah.edu/academics/6-410.php\)](https://regulations.utah.edu/academics/6-410.php)



Plagiarism and cheating are serious offenses and may be punished by failure on an individual assignment, and/or failure in the course. Academic misconduct, according to the University of Utah Student Code,

“...Includes, but is not limited to, cheating, misrepresenting one’s work, inappropriately collaborating, plagiarism, and fabrication or falsification of information...It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct.”

For details on plagiarism and other important course conduct issues, see the U's [Code of Student Rights and Responsibilities](http://regulations.utah.edu/academics/6-400.php) [↗\(http://regulations.utah.edu/academics/6-400.php\)](http://regulations.utah.edu/academics/6-400.php).

Course Materials Copyright

The Content is made available only for your personal, noncommercial educational, and scholarly use. You may not use the Content for any other purpose, or distribute, post or make the Content available to others unless you obtain any required permission from the copyright holder. Some Content may be provided via streaming or other means that restrict copying; you may not circumvent those restrictions. You may not alter or remove any copyright or other proprietary notices included in the Content.

Please see the [Code of Student Rights and Responsibilities](https://regulations.utah.edu/academics/6-400.php)  (<https://regulations.utah.edu/academics/6-400.php>), Section III.A.5 regarding the **use and distribution of class Content**  (<https://regulations.utah.edu/academics/6-400.php>) and materials. Section III.A.5. prohibits the following:

Sale or distribution of information representing the work product of a faculty member to a commercial entity for financial gain without the express written permission of the faculty member responsible for the course. (“Work product” means original works of authorship that have been fixed in a tangible medium and any works based upon and derived from the original work of authorship.)

Safety at the U

The University of Utah values the safety of all campus community members. You will receive important emergency alerts and safety messages regarding campus safety via text message.


For more safety information and to view available training resources, including helpful videos, visit safeu.utah.edu (<http://safeu.utah.edu>).

To report suspicious activity or to request a courtesy escort, contact:

Campus Police & Department of Public Safety

 801-585-COPS (801-585-2677)

 dps.utah.edu  (<https://dps.utah.edu>)



 1735 E. S. Campus Dr.
Salt Lake City, UT 84112

Wellness at the U

Your personal health and wellness are essential to your success as a student. Personal concerns like stress, anxiety, relationship difficulties, depression, or cross-cultural differences can interfere with a student’s ability to succeed and thrive in this course and at the University of Utah.

Please feel welcome to reach out to your instructor or TA to handle issues regarding your coursework.



For helpful resources to manage your personal wellness and counseling options, contact:

Center for Student Wellness 801-581-7776 [wellness.utah.edu \(http://wellness.utah.edu/\)](http://wellness.utah.edu/) 2100 Eccles Student Life Center
1836 Student Life Way
Salt Lake City, UT 84112**Women's Resource Center** 801-581-8030 womenscenter.utah.edu  [\(https://womenscenter.utah.edu/\)](https://womenscenter.utah.edu/) 411 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112


Addressing Sexual Misconduct

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status, or genetic information.

If you or someone you know has been harassed or assaulted, you are encouraged to report it to university officials:

Title IX Coordinator & Office of Equal Opportunity and Affirmative Action 801-581-8365 oeo.utah.edu  [\(https://oeo.utah.edu/\)](https://oeo.utah.edu/) 135 Park Building
201 Presidents' Cir.
Salt Lake City, UT 84112**Office of the Dean of Students** 801-581-7066 deanofstudents.utah.edu  [\(https://deanofstudents.utah.edu/\)](https://deanofstudents.utah.edu/) 270 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

To file a police report, contact:

Campus Police & Department of Public Safety 801-585-COPS (801-585-2677) dps.utah.edu  [\(https://dps.utah.edu/\)](https://dps.utah.edu/) 1735 E. S. Campus Dr.
Salt Lake City, UT 84112

If you do not feel comfortable reporting to authorities, the U's Victim-Survivor Advocates provide **free, confidential, and trauma-informed** support services to **students, faculty, and staff** who have experienced interpersonal violence.

To **privately** explore options and resources available to you with an advocate, contact:

Center for Student Wellness

📞 801-581-7776

🌐 [wellness.utah.edu \(http://wellness.utah.edu/\)](http://wellness.utah.edu/)

📍 328 Student Services Building
201 S. 1460 E.
Salt Lake City, UT 84112

Americans With Disabilities Act (ADA)

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities.

All written information in this course can be made available in an alternative format with prior notification to the Center for Disability & Access (CDA). CDA will work with you and the instructor to make arrangements for accommodations. Prior notice is appreciated. To read the full accommodations policy for the University of Utah, please see Section Q of the **[Instruction & Evaluation regulations](http://regulations.utah.edu/academics/6-100.php)** [↗\(http://regulations.utah.edu/academics/6-100.php\)](http://regulations.utah.edu/academics/6-100.php).

If you will need accommodations in this class, or for more information about what support they provide, contact:

Center for Disability & Access

📞 801-581-5020

🌐 disability.utah.edu [↗\(https://disability.utah.edu/\)](https://disability.utah.edu/)

📍 162 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

Diverse Student Support

Your success at the University of Utah is important to all of us here! If you feel like you need extra support in academics, overcoming personal difficulties, or finding community, the U is here for you.

STUDENT SUPPORT SERVICES (TRIO)

TRIO federal programs are targeted to serve and assist low-income individuals, first-generation college students, and individuals with disabilities.

Student Support Services (SSS) is a TRIO program for current or incoming undergraduate university students who are seeking their first bachelor's degree and need academic assistance and other services to be successful at the University of Utah.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

Student Support Services (TRIO)

 801-581-7188

 trio.utah.edu  (<https://trio.utah.edu/>)

 Room 2075

1901 E. S. Campus Dr.
Salt Lake City, UT 84112

AMERICAN INDIAN STUDENTS

The AIRC works to increase American Indian student visibility and success on campus by advocating for and providing student-centered programs and tools to enhance academic success, cultural events to promote personal well-being, and a supportive “home-away-from-home” space for students to grow and develop leadership skills.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

American Indian Resource Center

 801-581-7019

 diversity.utah.edu/centers/airc  (<https://diversity.utah.edu/centers/airc/>)

 Fort Douglas Building 622

1925 De Trobriand St.
Salt Lake City, UT 84113

BLACK STUDENTS

Using a pan-African lens, the Black Cultural Center seeks to counteract persistent campus-wide and global anti-blackness. The Black Cultural Center works to holistically enrich, educate, and advocate for students, faculty, and staff through Black-centered programming, culturally affirming educational initiatives, and retention strategies.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

Black Cultural Center

 801-213-1441

 diversity.utah.edu/centers/bcc  (<https://diversity.utah.edu/centers/bcc/>)

📍 Fort Douglas Building 603
95 Fort Douglas Blvd.
Salt Lake City, UT 84113

STUDENTS WITH CHILDREN

Our mission is to support and coordinate information, program development, and services that enhance family resources as well as the availability, affordability, and quality of child care for University students, faculty, and staff.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

Center for Childcare & Family Resources

📞 801-585-5897

🌐 childcare.utah.edu ➔ (<https://childcare.utah.edu/>)

📍 408 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

STUDENTS WITH DISABILITIES

The Center for Disability and Access is dedicated to serving students with disabilities by providing the opportunity for success and equal access at the University of Utah. They also strive to create an inclusive, safe, and respectful environment.

For more information about what support they provide and links to other resources, view their website or contact:

Center for Disability and Access

📞 801-581-5020

🌐 disability.utah.edu ➔ (<https://disability.utah.edu/>)

📍 162 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

STUDENTS OF ETHNIC DESCENT

The Center for Ethnic Student Affairs offers several programs dedicated to the success of students with varied cultural and ethnic backgrounds. Its mission is to create an inclusive, safe campus community that values the experiences of all students.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

Center for Ethnic Student Affairs

☎ 801-581-8151

🌐 diversity.utah.edu/centers/cesa/ ↗️ (<https://diversity.utah.edu/centers/cesa/>)

📍 235 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

ENGLISH AS A SECOND/ADDITIONAL LANGUAGE (ESL) STUDENTS

If you are an English language learner, there are several resources on campus available to help you develop your English writing and language skills. Feel free to contact:

Writing Center

☎ 801-587-9122

🌐 writingcenter.utah.edu [_ \(http://writingcenter.utah.edu/\)](http://writingcenter.utah.edu)

📍 2701 Marriott Library
295 S 1500 E
Salt Lake City, UT 84112

English for Academic Success (EAS) Program

☎ 801-581-8047

🌐 linguistics.utah.edu ↗️ (<https://linguistics.utah.edu/>)

📍 2300 LNCO
255 S. Central Campus Dr.
Salt Lake City, UT 84112

English Language Institute

☎ 801-581-4600

🌐 continue.utah.edu/eli (<http://continue.utah.edu/eli>)

📍 540 Arapeen Dr.
Salt Lake City, UT 84108

UNDOCUMENTED STUDENTS

Immigration is a complex phenomenon with broad impact—those who are directly affected by it and those who are indirectly affected by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles that prevent you from engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center.


Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence. The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families.

For more information about what support they provide and links to other resources, view their website or contact:

Dream Center

 801-213-3697

 dream.utah.edu (<http://dream.utah.edu/>)

 200 S. CENTRAL CAMPUS DRIVE
UNION, ROOM 80
SALT LAKE CITY, UT 84112

LGBTQ+ STUDENTS


The LGBTQ+ Resource Center acts in accountability with the campus community by identifying the needs of people with a queer range of [a]gender and [a]sexual experiences and responding with university-wide services.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

LGBTQ+ Resource Center

 801-587-7973

 lgbt.utah.edu (<http://lgbt.utah.edu/>)

 409 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

VETERANS & MILITARY STUDENTS

The mission of the Veterans Support Center is to improve and enhance the individual and academic success of veterans, service members, and their family members who attend the university; to help them receive the benefits they earned, and to serve as a liaison between the student veteran community and the university.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

Veterans Support Center

 801-587-7722

 (<http://lgbt.utah.edu>) veteranscenter.utah.edu  (<http://veteranscenter.utah.edu/>)

📍 418 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

WOMEN

The Women's Resource Center (WRC) at the University of Utah serves as the central resource for educational and support services for women. Honoring the complexities of women's identities, the WRC facilitates choices and changes through programs, counseling, and training grounded in a commitment to advance social justice and equality.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

Women's Resource Center

📞 801-581-8030

🌐 womenscenter.utah.edu ➦ [\(https://womenscenter.utah.edu/\)](https://womenscenter.utah.edu/)

📍 411 Union Building
200 S. Central Campus Dr.
Salt Lake City, UT 84112

INCLUSIVITY AT THE U

The Office for Inclusive Excellence is here to engage, support, and advance an environment fostering the values of respect, diversity, equity, inclusivity, and academic excellence for students in our increasingly global campus community. They also handle reports of bias in the classroom as outlined below:

Bias or hate incidents consist of speech, conduct, or some other form of expression or action that is motivated wholly or in part by prejudice or bias whose impact discriminates, demeans, embarrasses, assigns stereotypes, harasses, or excludes individuals because of their race, color, ethnicity, national origin, language, sex, size, gender identity or expression, sexual orientation, disability, age, or religion.

For more information about what support they provide and links to other resources, or to report a bias incident, view their website or contact:

Office for Inclusive Excellence

📞 801-581-4600

🌐 inclusive-excellence.utah.edu ➦ [\(https://inclusive-excellence.utah.edu/\)](https://inclusive-excellence.utah.edu/)
<http://continue.utah.edu/eli>

📍 200 S. CENTRAL CAMPUS DRIVE
UNION, ROOM 70
SALT LAKE CITY, UT 84112

OTHER STUDENT GROUPS AT THE U

To learn more about some of the other resource groups available at the U, check out:

 getinvolved.utah.edu/ (<https://getinvolved.utah.edu/>)

 <https://ssc.utah.edu/tools-for-success.php>  (<https://ssc.utah.edu/tools-for-success.php>)