

## INSTRUCTOR INFORMATION

### Course Director and Instructor:

Thunder Jalili, PhD

Professor and Director of Graduate Studies

[Department of Nutrition and Integrative Physiology](https://health.utah.edu/nutrition-integrative-physiology/)   
(<https://health.utah.edu/nutrition-integrative-physiology/>)

Topics: Lipid Metabolism, Protein Metabolism

[Thunder.Jalili@utah.edu](mailto:Thunder.Jalili@utah.edu) (<mailto:thunder.jalili@m.cc.utah.edu>)

801-585-0399

Office hours Monday 10:45AM- 12:15

### Instructors:

Sihem Boudina, PhD

Professor

[Department of Nutrition and Integrative Physiology](https://health.utah.edu/nutrition-integrative-physiology/)   
(<https://health.utah.edu/nutrition-integrative-physiology/>)

Topic: Carbohydrate Metabolism

[Sihem.boudina@u2m2.utah.edu](mailto:Sihem.boudina@u2m2.utah.edu)  
(<mailto:Sihem.boudina@u2m2.utah.edu>)

801-585-6833

(<mailto:Sihem.boudina@u2m2.utah.edu>)

(<mailto:Sihem.boudina@u2m2.utah.edu>)

(<mailto:Sihem.boudina@u2m2.utah.edu>) Anandh Velayutham,  
PhD

Associate Professor

[Department of Nutrition and Integrative Physiology](https://health.utah.edu/nutrition-integrative-physiology/)   
(<https://health.utah.edu/nutrition-integrative-physiology/>)

Topic: Energy Metabolism and Microbiota

[anandh.velayutham@utah.edu](mailto:anandh.velayutham@utah.edu)  
(<mailto:anandh.velayutham@utah.edu>)

801-581-8376

*Please note that Drs. Boudina and Velayutham have Office hours by appointment*

## TEACHING ASSISTANT INFORMATION

## STUDENT LEARNING OUTCOMES

By the end of this course you will be able to:

1. Understand the primary metabolic pathways and their interaction in the biochemical control of carbohydrate, fat, and protein metabolism.
2. Understand energy transformation and interrelationships among macronutrients and their relationship to regulatory micronutrients.
3. Apply metabolic concepts of macronutrient metabolism to clinical nutrition.
4. Explore recent advances and controversies in clinical nutrition, chronic disease and genetics related to macronutrients, phytochemicals, fiber and oxidative stress.
5. Review current macronutrient research and nutrition publications; present, interpret and discuss nutrition issues of practical significance to peers.
6. Describe: At the end of this course students should be able to describe in biochemical and metabolic terms the control of the metabolism of CHO, Fat and Protein.

KRDNs & CRDN addressed by Macronutrient Metabolism:


- KRDN 1.1: Demonstrate how to locate, interpret, evaluate and use professional literature to make ethical, evidence-based practice decisions
- KRDN 1.3: Apply critical thinking skills
- CRDN 2.3: Demonstrate active participation, teamwork and contributions in group settings

## PREREQUISITES


**Recommended:** Graduate Status at the University of Utah or Instructor permission, general chemistry, organic chemistry, biochemistry, physiology, nutrition.

## REQUIRED MATERIAL

**Text is included on canvas as part of inclusive access through your class fees**

Advanced Nutrition and Human Metabolism. 8th Edition, 2021. **Sareen S. Gropper** 

([https://www.barnesandnoble.com/s/%22Sareen%20S.%20Gropper%22;jsessionid=3F3FD929508301D1199001715A823FED.prodny\\_store02-atgap07?Ntk=P\\_key\\_Contributor\\_List&Ns=P\\_Sales\\_Rank&Ntx=mode+matchall](https://www.barnesandnoble.com/s/%22Sareen%20S.%20Gropper%22;jsessionid=3F3FD929508301D1199001715A823FED.prodny_store02-atgap07?Ntk=P_key_Contributor_List&Ns=P_Sales_Rank&Ntx=mode+matchall)), **Jack L. Smith** 

([https://www.barnesandnoble.com/s/%22Jack%20L.%20Smith%22;jsessionid=3F3FD929508301D1199001715A823FED.prodny\\_store02-atgap07?Ntk=P\\_key\\_Contributor\\_List&Ns=P\\_Sales\\_Rank&Ntx=mode+matchall](https://www.barnesandnoble.com/s/%22Jack%20L.%20Smith%22;jsessionid=3F3FD929508301D1199001715A823FED.prodny_store02-atgap07?Ntk=P_key_Contributor_List&Ns=P_Sales_Rank&Ntx=mode+matchall)), **Timothy P. Carr** 

([https://www.barnesandnoble.com/s/%22Timothy%20P.%20Carr%22;jsessionid=3F3FD929508301D1199001715A823FED.prodny\\_store02-atgap07?Ntk=P\\_key\\_Contributor\\_List&Ns=P\\_Sales\\_Rank&Ntx=mode+matchall](https://www.barnesandnoble.com/s/%22Timothy%20P.%20Carr%22;jsessionid=3F3FD929508301D1199001715A823FED.prodny_store02-atgap07?Ntk=P_key_Contributor_List&Ns=P_Sales_Rank&Ntx=mode+matchall)). ISBN-13: 9781305627857

## TEACHING AND LEARNING METHODS

This course will utilize Lectures, reading from books and primary literature, Team Based Learning activities, case studies done in teams, quizzes, and exams.

### ASSIGNMENTS

5 TBL or Case study activities, found in canvas modules (25 pts each) 125 points

#### Lipids

- Quiz 1 - Sept. 6 15 points
- Quiz 2 - Sept. 13 15 points
- Exam 1 Lipids - Sept. 21 45 points

## Carbohydrates

- Quiz 1 15 points
- Exam 2 Carbohydrates - Oct. 18 60 points

## Proteins

- Quiz 1 15 points
- Exam 2 Carbohydrates - Nov. 9 60 points

## Energy and Microbiota

- Quiz 1 15 points
- Exam 2 Carbohydrates - Dec. 13 60 points

**Total Class points 425 Points**

## COURSE SCHEDULE:

*Note: Our schedule is subject to revision based on the needs of our class; any updates will be made available for students through Canvas.*

Date	Instructor & reading	Activity
<b>AUG</b>		
21	<b>LIPIDS:</b> Jalili	Introduction, TBL team organization Lipid synthesis and oxidation
23	<b>LIPIDS:</b> Jalili <b>Guest:</b> TBD	Lipid synthesis and oxidation Ceramide metabolism and function
28	<b>LIPIDS:</b> Jalili	Types and function of Lipoproteins
30	<b>LIPIDS:</b> Jalili	LDL receptor function
<b>SEPT</b>		
5	<b>Labor Day – No Class</b>	<b>Labor Day – No Class</b>
6	<b>LIPIDS:</b> Jalili, TBL prep work on canvas	<b>QUIZ 1</b> LDL receptor function
11	<b>LIPIDS</b> Jalili	<b>TBL Module.</b> Nutrition as clinical tools to reduce blood cholesterol Atherosclerosis
13	<b>LIPIDS:</b> Jalili	<b>QUIZ 2</b> Atherosclerosis
18	<b>LIPIDS:</b> Jalili Prep work from lipids TBL on canvas and your notes	<b>Case Study: CVD clinical recommendations and mechanisms</b> Exam Review
20	<b>EXAM 1</b>	<b>LIPIDS</b>

25	<b>CARBOHYDRATES: Boudina</b>	Regulation of carbohydrate metabolism
27	<b>CARBOHYDRATES: Boudina</b>	<b>TBL 1: Carbohydrate Metabolism</b>
<b>OCT</b>		
2	<b>CARBOHYDRATES: Boudina</b>	Carbohydrate metabolism during diabetes
4	<b>CARBOHYDRATES: Boudina</b>	Carbohydrate metabolism in cancer
9	<b>FALL BREAK</b>	<b>No Class</b>
11	<b>FALL BREAK</b>	<b>No Class</b>
16	<b>CARBOHYDRATES: Boudina</b>	<b>Case Study</b> , Exam review
18	<b>EXAM 2</b>	<b>CARBOHYDRATES</b>
23	<b>PROTEINS: Jalili</b>	Dr. Beals, Online Virtual Lecture, Protein quality and amino acids.
25	<b>PROTEINS: Jalili</b>	Amino acid transport and metabolism
30	<b>PROTEINS: Jalili</b>	mTOR, protein synthesis and autophagy.
<b>Nov</b>		
1	<b>PROTEINS: Jalili</b>	<b>QUIZ 1</b> Protein degradation and autophagy continued. Dr. Symons RIP & discussion
6	<b>PROTEINS: Jalili</b>	Inborn errors of protein metabolism
8	<b>EXAM 3</b>	<b>PROTEIN</b>
13	<b>ENERGY METABOLISM: Velayutham</b>	Assessment of energy metabolism
15	<b>ENERGY METABOLISM: Velayutham</b>	Metabolic Integration and organ specialization
20	<b>ENERGY METABOLISM: Velayutham</b>	AMPK as an emerging drug target for diabetes.

22	<b>ENERGY METABOLISM:</b> Velayutham	Adipose tissue remodeling and energy metabolism
27	<b>ENERGY METABOLISM:</b> Velayutham	Gut microbiota as a modulator of metabolism
29	<b>ENERGY METABOLISM:</b> Velayutham	Microbiota dysbiosis and obesity
<b>DEC</b>		
4	<b>ENERGY METABOLISM:</b> Velayutham	Fecal microbiota transplantation for the treatment of obesity?
6	<b>ENERGY METABOLISM:</b> Velayutham	<b>TBL Module:</b> Precision nutrition for the prevention and management of metabolic diseases: Hope or Hype?
13	<b>EXAM 4</b>	<b>ENERGY METABOLISM Same room - 8-10AM</b>

## FREQUENTLY ASKED QUESTIONS

- **What's the best way to go about managing my time for this class?**

Successful students (those that get A's and B's) use their time wisely. Just like a face-to-face course, the standard formula for college coursework is that for every 1 hour of class time will result in 3 to 6 hours (and sometimes more) of homework; thus, a 4 credit course will require an average of 12 to 24 hours of homework (reading, research, studying) per week. As a result, successful students plan their time so that they keep up with assignments by maintaining a pace that fits the course schedule. They also communicate with the instructor often so that they can receive feedback on their work. Please note the class is cumulative in nature. A good understanding of the material in the first part of the semester is necessary in order to proceed successfully throughout the remainder of the semester.

- **How can I find out how I did on exams and assignments?**

Exams will be returned in class. I encourage you to contact me with any questions.

- **What if I miss an exam?**

- If you are to miss an exam **you must notify me at least 1 week prior** to the exam date.
- If you miss an exam without prior permission from me you will be allowed to take a make up exam **only if you have a legitimate excuse that can be verified**, such as an illness accompanied by a written physician's note, an accident report, etc.

## GRADE SCHEME

Points will be accumulated as students complete Team Based Learning activities, case studies, and exams.

Grades will be determined based on a percentage of total points earned. Grades at or above the .5 level will be rounded up; grades at or below .4 level will be rounded down. The following grading standards will be used in this class:

Grade	Range
A	100 % to 92.5%
A-	< 92.5 % to 89.5%
B+	< 89.5 % to 87.5%

## Grade Range

B	< 87.5 % to 82.5%
B-	< 82.5 % to 79.5%
C+	< 79.5 % to 77.5%
C	< 77.5 % to 72.5%
C-	< 72.5 % to 69.5%
D+	< 69.5 % to 67.5%
D	< 67.5 % to 62.5%
D-	< 62.5 % to 59.5%
E	< 59.5 % to 0.0%

## COURSE RESPONSIBILITIES

### • **Course Description, Objectives, & Philosophy:**

This course will be topical in nature and focused upon energy metabolism and macronutrients ; carbohydrate, lipids and protein. The instructors will utilize the teaching approach of “**Synthesis and Integration.**” It is assumed that you have had a foundation or basic course in nutrition and biochemistry. The lectures & learning modules will provide you with tools and knowledge for synthesizing new information from advances in nutrition research to add to your basic understanding of macronutrient metabolism. You will be responsible for integrating this information into your own current understanding of the metabolism of macronutrients thus providing you a point of reference for future understanding of advances in nutrient metabolism. Some aspects of macronutrient metabolism will be developed and covered to a greater degree of depth than others. This focus is necessary due to the expanse of macronutrient metabolism. Instructors will focus upon what they believe are particularly important foundation topics and new advances in our understanding of energy metabolism. All students should have had introductory nutrition and biochemistry courses covering digestion, absorption and metabolism of macronutrients and have a basic understanding of nutrient requirements and metabolic pathways. Some review of basic nutrition and biochemistry will be conducted; however, course content will be primarily directed toward, recent advances in macronutrient metabolism relating to nutrition science, research nutrition tools to assess energy metabolism and current topics of clinical interest relating to macronutrient metabolism.

Accreditation Council on Education for Nutrition and Dietetics: The material covered includes knowledge competencies required by the Accreditation Council on Education for Nutrition and Dietetics.

## 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).


### 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>)



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](https://regulations.utah.edu/academics/6-400.php)  ([http://regulations.utah.edu/academics/6-400.php](https://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) , 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) (<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)  ([https://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/](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>).

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



## 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) ↗️ (<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) ↗️ (<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) ↗️ (<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/) ↗️ (<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/) ↗️ (<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/) ↗️ (<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/) ↗️ (<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) (<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/) ↗️ (<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) (<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) ↗️ (<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://getinvolved.utah.edu/>)

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

## Course Summary:

Date	Details	Due
Mon Sep 19, 2022	 <a href="https://utah.instructure.com/courses/888909/assignments/12604550">Lipids case study</a> ( <a href="https://utah.instructure.com/courses/888909/assignments/12604550">https://utah.instructure.com/courses/888909/assignments/12604550</a> )	due by 11:45am
Wed Sep 21, 2022	 <a href="https://utah.instructure.com/courses/888909/assignments/12604548">Exam 1: Lipid Metabolism</a> ( <a href="https://utah.instructure.com/courses/888909/assignments/12604548">https://utah.instructure.com/courses/888909/assignments/12604548</a> )	due by 11:40am
Wed Nov 9, 2022	 <a href="https://utah.instructure.com/courses/888909/assignments/12604547">Exam 3: Protein Metabolism</a> ( <a href="https://utah.instructure.com/courses/888909/assignments/12604547">https://utah.instructure.com/courses/888909/assignments/12604547</a> )	due by 11:40am
	 <a href="https://utah.instructure.com/courses/888909/assignments/12604549">Exam 1 Lipids Essay</a> ( <a href="https://utah.instructure.com/courses/888909/assignments/12604549">https://utah.instructure.com/courses/888909/assignments/12604549</a> )	
	 <a href="https://utah.instructure.com/courses/888909/assignments/12604551">Protein Exam Essay Questions</a> ( <a href="https://utah.instructure.com/courses/888909/assignments/12604551">https://utah.instructure.com/courses/888909/assignments/12604551</a> )	
	 <a href="https://utah.instructure.com/courses/888909/assignments/12604552">TBL 1 - Nutrition and Cardiovascular disease risk</a> ( <a href="https://utah.instructure.com/courses/888909/assignments/12604552">https://utah.instructure.com/courses/888909/assignments/12604552</a> )	