

PHTH 7110: Physical Agents

COURSE INFORMATION

- Course time: Mondays 8-11 am
- Semester credit hours: 2

INSTRUCTOR INFORMATION

Misha Bradford (Course coordinator)



Assistant Professor (Clinical)

801-585-1620 misha.bradford@hsc.utah.edu

(<mailto:misha.bradford@hsc.utah.edu>) | office #395

[Department of Physical Therapy and Athletic Training \(https://health.utah.edu/physical-therapy-athletic-training/\)](https://health.utah.edu/physical-therapy-athletic-training/)

Office hours by appointment or walk in

Eon Jarvis



Adjunct Instructor (Clinical)

801-587-7005 eon.jarvis@hsc.utah.edu

(<mailto:eon.jarvis@hsc.utah.edu>) | UOC

Kate Money



Adjunct Instructor (Clinical)

801-587-7005 katelyn.money@hsc.utah.edu

(<mailto:katelyn.money@hsc.utah.edu>) | UOC

TEACHING ASSISTANT INFORMATION

There are no TAs for this course; however, other faculty, current residents, and graduate students may assist with proctoring practical examinations.

COURSE DESCRIPTION

This course covers theory and application of physical agents including electrotherapy, thermal agents, compression, traction, and massage as intervention options in physical therapy.

PREREQUISITES

Acceptance into Doctor of Physical Therapy program, successful completion of prior scheduled coursework

COURSE MATERIALS

- Required:
 - Michlovitz SL, Nolan TP, and Bellew J. Modalities for Therapeutic Intervention. 6th Edition, F.A. Davis, Philadelphia, 2016.
 - Additional required reading available on CANVAS
- Reference:
 - Belanger A. Therapeutic Physical Agents: Evidence Behind Practice (2nd ed). Lippincott Williams & Wilkins, 2010.
 - Benjamin PJ, Tappan FM. Tappan's Handbook of Healing Massage Technique, 4th ed. Pearson / Prentice Hall: New Jersey, 2005.

STUDENT LEARNING OUTCOMES

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

Knowledge:

- Define types of pain and describe basic nociceptive pain physiology.
- Describe the human physiologic response to the application of various physical agents.
- Describe the physiology of nerve action potentials and muscle contraction generated both voluntarily and electrically.
- Describe a given procedure and rationale in layperson's terms to obtain informed consent.
- Demonstrate correct application of thermal and electrical modalities, compression to the extremities, and cervical and lumbar traction.
- Correctly position and drape a patient for and perform therapeutic massage.
- Correctly describe and document a given intervention using acceptable abbreviations and relevant terminology.

Application of knowledge / critical thinking:

- Determine appropriate candidates for electrical, mechanical, and thermal agents.
- Determine which therapeutic modalities are indicated and contraindicated for a given patient.
- Read and interpret current literature regarding therapeutic physical agents; identify best available evidence to guide decision-making.
- Make appropriate decisions regarding delegation of application of physical agents to PTAs and PT aides.
- Consider the variable of cost of modalities when planning interventions.

Communication and professionalism:

- Demonstrate appropriate interpersonal skills: maintain professional demeanor in all classroom interactions, respect cultural and personal differences of others, assume responsibility for mistakes, respond appropriately to unexpected and/or new experiences, demonstrate adaptability and flexibility, and collaborate with others.
- Demonstrate professional level communication skills by using correct grammar, accurate spelling, and speaking with appropriate tone and content; using appropriate body language; presenting verbal or written messages with logical organization; and, listening actively.
- Demonstrate efficient use of time and resources by meeting external deadlines.
- Attend and actively participate in all class sessions, including labs.
- Formally assess the skills and behavior of both peers and instructors.

TEACHING AND LEARNING METHODS

- Reading
- Video and in-class lecture
- Problem-based learning and discussion
- Case studies
- Demonstration
- Laboratory experience
- Peer-reviewed practice scenarios
- Quizzes
- Written examinations
- Practical examinations

ASSIGNMENTS

- Practicum (case scenario) assignments: students will apply appropriate modalities to their group peers based on a given patient scenario. Students receive feedback from their peers on their decision-making and skill in applying the modalities.
- Self-assessment quizzes: students will read the assigned text and/or literature and watch lecture videos and then answer questions on the material prior to class discussion on the topic. Quizzes help prepare students for lectures, enhance class discussions, and help focus students on most relevant material.

GRADING CRITERIA

Final grades will be assigned based on the following scale:

- A 94-100 %
- A- 90-93 %
- B+ 88-89 %
- B 85-87 %
- B- 82-84 %
- C+ 80-81 %

C 78-79 %

C- <78%

- Grades will be determined based on percentage earned of the following 375 possible points *:
 - Written exams: 2 @ 100 points each, 200 points total
 - Practical exam: 1 @ 100 points
 - Practicum (case scenario) assignments: 25 points
 - Self-study assignments/quizzes: total % adjusted to max of 50 points
- *In order to pass this class, students must demonstrate a minimum competency level by achieving:
 - 75% or greater on practical exam; students may retake practical (one time) to achieve 75%
 - mean of 75% or greater on written exams
 - 78% or greater of total points possible in course
- Professional behavior. Your final score will be multiplied by a class participation/generic abilities factor:
 - Active participation and regular attendance in class, professional behavior. x1.0
 - Regular attendance in class although seldom contributes to class discussion. At times lacks appropriate professional behavior. x0.9
 - Misses class, late to class or repeatedly leaves class early, little if any contribution to class discussion, inappropriate or non-professional activities in class. x0.8

COURSE POLICIES AND RESPONSIBILITIES

- **Attendance & Punctuality:**
 - Students are expected to attend and fully participate in all assigned class sessions. However, adult life is complex and, if you are unable to attend a discussion or lab session, it is a professional courtesy to alert the professor to your absence. You are, of course, still responsible for learning the material covered, so please do all you can to catch up and then invite an instructor to help.
 - If you need to change lab groups, either for the semester or for a day, please trade places with another student so that the instructor will be able to attend to all the students' needs.
- **Preparation for learning:**
 - To maximize learning for each topic, students should do the following:
 - read assigned text/course materials, making note of key content and questions
 - watch video lectures, making note of key content and questions
 - take self-assessment quiz
 - bring questions to class discussion and lab
 - summarize key info for each modality in a user-friendly format for future reference (super helpful for internships and board exam prep!)
- **Lab expectations:**
 - If you need to change lab groups, either for the semester or for a day, please trade places with another student. Instructors can better attend to all the students' needs when there aren't extra students.
 - You may not complete the entire lab experience in the allotted lab time. The equipment is available in the lab so that you may complete / repeat activities on your own in order to master the material. Please return equipment and leave the lab tidy.

- Please dress appropriately for labs. All students should wear shorts and be prepared to take their shirts off to expose the neck, back, and shoulders. If you do not wish to take your shirt off, you will not be penalized.
- ***The labs require students to practice applying modalities to one another; please review contraindications in advance of lab to assure that you will be safe. Please let the lab instructors know if you have any condition for which application of a modality is contraindicated or requires special caution (e.g. hypertension, pregnancy, implanted electrical device, seizures) so that we can provide you with an alternative learning experience if needed.***
- **Technology in the classroom:**
 - Please be respectful of your classmates and instructors and refrain from using technology in distracting ways.
 - **Department of Physical Therapy and Athletic Training policy on recording (audio, video, photo) in class:**
 - Recording any component of class (audio, video, or photo) is prohibited without permission from the instructor and the course coordinator.
 - Recordings may only be used for personal study.
 - Recordings may not be published online or elsewhere.
 - In cases when recordings could be of benefit to the entire class for study / review, the instructor can make them available to students on password protected websites (e.g. Canvas).
 - The consequence of violating this policy may include dismissal from the program.
 - **Electronic or equipment failure:** It is your responsibility to maintain your computer and related equipment in order to participate fully in the course.
- **Document archiving:** You are responsible for making sure your assignments, including attachments, are received before the deadline. Students are also responsible for ensuring that the documents submitted are the correct document to be graded.
- **Naming conventions and software type:** You are responsible for submitting the assignment with the required naming convention, correct file extension, and using the software type and version required for the assignment. See assignment instructions for acceptable formats.
- **Classroom equivalency:** Discussion threads, e-mails, and chat rooms are all considered to be equivalent to classrooms, and student behavior within those environments shall conform to the University of Utah Student Code. Course e-mails, e-journals, and other online course communications are part of the classroom and as such, are University property and subject to GRAMA regulations and the Student Code. Privacy regarding these communications between correspondents must not be assumed and should be mutually agreed upon in advance, in writing.
- **Communication with instructors:**
 - Please use your Umail Outlook account rather than a personal account for program related communications. Writing PHI (caps or lower case) in the subject line (along with anything else in that line) will encrypt the contents to help maintain your privacy.
 - You may email instructors and TAs via their institutional email addresses OR via the Canvas internal "Inbox" system. Please allow 48 hours for a reply on weekdays and, for messages sent over the weekend, expect a response by Tues evening. A gentle reminder / repeat after that is very welcome!

- While I (Misha) am rarely in my office, you may try to reach me there and may also leave a voice mail. The other instructors spend most work days in patient care at the UOC, so you are not likely to easily reach them by phone.

Mandatory Reporter:

As a University representative, most faculty, staff, and teaching assistants (other than professional mental health counsellors) are required to report information learned about instances of sexual misconduct, discrimination, and/or immediate threats to safety to the University of Utah Office of Equal Opportunity and Affirmative Action and/or the Office of the Dean of Students.

If you do choose to disclose instances of sexual misconduct, discrimination, or violence to me, please be aware that I am a mandatory reporter and am required by University policies to notify the appropriate Office.

Institutional Policies

▸ 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)

▸ Plagiarism & Cheating

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

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)

▸ 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 information regarding safety 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))

📍 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's 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. If you will need accommodations in the class, reasonable prior notice needs to be given

to the Center for Disability & Access. The CDA will work with you and the instructor to make arrangements for accommodations.

All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

If you will need accommodations in this class, 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

▸ 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 & 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 & 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. Their 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/eas-program ↗ [\(https://linguistics.utah.edu/eas-program/\)](https://linguistics.utah.edu/eas-program/)

📍 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, as well as 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/)

📍 1120 Annex (Wing B)
1901 E. S. Campus Dr.
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

 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/>

 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>

📍 170 Annex (Wing D)
1901 E. S. Campus Dr.
Salt Lake City, UT 84112

▸ Other Student Support

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

🌐 diversity.utah.edu/student-groups ↗ [\(https://diversity.utah.edu/student-groups/\)](https://diversity.utah.edu/student-groups/)

🌐 studentsuccess.utah.edu/resources/student-support ↗

[\(https://studentsuccess.utah.edu/resources/student-support/\)](https://studentsuccess.utah.edu/resources/student-support/)

Canvas Information

Canvas is the where course content, grades, and communication will reside for this course.

- Access Canvas through utah.instructure.com [\(http://utah.instructure.com\)](http://utah.instructure.com) or through [CIS](https://cis.utah.edu) ↗ [\(https://cis.utah.edu\)](https://cis.utah.edu)
- For Canvas, Passwords, or any other computer-related technical support contact the [Campus Help Desk](https://it.utah.edu/help/) ↗ [\(https://it.utah.edu/help/\)](https://it.utah.edu/help/).
 - 801 581-4000

- <http://it.utah.edu/help> [\(https://it.utah.edu/help/\)](https://it.utah.edu/help/)
- helpdesk@utah.edu (<mailto:helpdesk@utah.edu>)
- For Canvas related issues or bugs, contact the Teaching & Learning Technologies help desk
 - 801-581-6112 ext 2
 - classhelp@utah.edu (<mailto:classhelp@utah.edu>)

COURSE SCHEDULE

Note: Our schedule is subject to revision based on the needs of our class; any updates will be on the Canvas calendar.

Course Summary:

| Date | Details |
|------------------|---|
| Mon Jan 6, 2020 |  <u>SELF STUDY TIME: Physiology Framework</u> https://utah.instructure.com/calendar?event_id=1679597&include_contexts=course_600841 8am to 11am |
| |  <u>Course introduction</u> (https://utah.instructure.com/calendar?event_id=1679887&include_contexts=course_600841) 10am to 10:30am |
| Mon Jan 13, 2020 |  <u>DISCUSSION: Thermal agents problem solving 1</u> https://utah.instructure.com/calendar?event_id=1679491&include_contexts=course_600841 8am to 11am |
| |  <u>Cryotherapy self-assessment</u> https://utah.instructure.com/courses/600841/assignments/7014056 due by 8am |
| |  <u>Physiology framework self-assessment</u> https://utah.instructure.com/courses/600841/assignments/7014055 due by 8am |
| Mon Jan 20, 2020 |  <u>No class</u> (https://utah.instructure.com/calendar?event_id=1679476&include_contexts=course_600841) 12am |

| Date | Details | |
|------------------|---|-------------|
| Mon Jan 27, 2020 |  <u>DISCUSSION: Thermal agents problem solving 2</u> (https://utah.instructure.com/calendar?event_id=1679484&include_contexts=course_600841) | 8am to 11am |
| |  <u>LAB: Thermal agents 1 (cold, superficial heat)</u> (https://utah.instructure.com/calendar?event_id=1679468&include_contexts=course_600841) | 8am to 11am |
| |  <u>Diathermy self-assessment</u> (https://utah.instructure.com/courses/600841/assignments/7014060) | due by 8am |
| |  <u>Light therapy self-assessment</u> (https://utah.instructure.com/courses/600841/assignments/7014061) | due by 8am |
| |  <u>Ultrasound self-assessment</u> (https://utah.instructure.com/courses/600841/assignments/7014069) | due by 8am |
| Mon Feb 3, 2020 |  <u>LAB: Thermal agents 2 (light, US)</u> (https://utah.instructure.com/calendar?event_id=1679478&include_contexts=course_600841) | 8am to 11am |
| |  <u>Thermal Agents Lab Pre-quiz</u> (https://utah.instructure.com/courses/600841/assignments/7014057) | due by 8am |
| Mon Feb 10, 2020 |  <u>LAB: Time to work on Case Scenarios</u> (https://utah.instructure.com/calendar?event_id=1679483&include_contexts=course_600841) | 8am to 11am |
| Mon Feb 17, 2020 |  <u>No Class</u> (https://utah.instructure.com/calendar?event_id=1679481&include_contexts=course_600841) | 12am |
| Mon Feb 24, 2020 |  <u>Written Exam 1</u> (https://utah.instructure.com/calendar?event_id=1679480&include_contexts=course_600841) | 8am to 11am |
| |  <u>Thermal Agents Case Scenarios</u> (https://utah.instructure.com/courses/600841/assignments/7014076) | due by 8am |

| Date | Details | |
|------------------|---|-------------|
| Mon Mar 2, 2020 |  <u>DISCUSSION: Mechanical agents problem solving</u> https://utah.instructure.com/calendar?event_id=1679485&include_contexts=course_600841 | 8am to 11am |
| |  <u>LAB: Massage</u> (https://utah.instructure.com/calendar?event_id=1679477&include_contexts=course_600841) | 8am to 11am |
| |  <u>IPC self-assessment</u> https://utah.instructure.com/courses/600841/assignments/7014067 | due by 8am |
| |  <u>Massage self-assessment</u> https://utah.instructure.com/courses/600841/assignments/7014064 | due by 8am |
| |  <u>Traction self-assessment</u> https://utah.instructure.com/courses/600841/assignments/7014054 | due by 8am |
| Mon Mar 9, 2020 |  <u>Spring Break</u> (https://utah.instructure.com/calendar?event_id=1679475&include_contexts=course_600841) | 12am |
| Mon Mar 16, 2020 |  <u>LAB: Traction, IPC</u> (https://utah.instructure.com/calendar?event_id=1679474&include_contexts=course_600841) | 8am to 11am |
| |  <u>Compression and Traction Lab Pre-quiz</u> https://utah.instructure.com/courses/600841/assignments/7014058 | due by 8am |
| Sat Mar 21, 2020 |  <u>UOC lab: lumbar traction, HILT, diagnostic US, other</u> https://utah.instructure.com/calendar?event_id=1679473&include_contexts=course_600841 | 12am |
| Mon Mar 23, 2020 |  <u>DISCUSSION: Electrotherapy problem solving 1</u> https://utah.instructure.com/calendar?event_id=1679489&include_contexts=course_600841 | 8am to 11am |
| |  <u>LAB: Intro to electrical devices</u> https://utah.instructure.com/calendar?event_id=1679490&include_contexts=course_600841 | 8am to 11am |
| |  <u>Electrotherapy for Inflammation, Edema, Tissue Repair</u> https://utah.instructure.com/courses/600841/assignments/7014068 | due by 8am |
| |  <u>Principles of electrotherapy</u> https://utah.instructure.com/courses/600841/assignments/7014066 | due by 8am |

| Date | Details | |
|------------------|---|----------------|
| Mon Mar 30, 2020 |  DISCUSSION: Electrotherapy problem solving 2 (https://utah.instructure.com/calendar?event_id=1679482&include_contexts=course_600841) | 8am to 11am |
| |  LAB: Electrical agents 1 (https://utah.instructure.com/calendar?event_id=1679479&include_contexts=course_600841) | 8am to 11am |
| |  Electrotherapy Lab Pre-quiz (https://utah.instructure.com/courses/600841/assignments/7014062) | due by 8am |
| |  NMES self-assessment (https://utah.instructure.com/courses/600841/assignments/7014059) | due by 8am |
| |  TENS / IFC self-assessment (https://utah.instructure.com/courses/600841/assignments/7014065) | due by 8am |
| Mon Apr 6, 2020 |  LAB: Electrical agents 2 (https://utah.instructure.com/calendar?event_id=1679486&include_contexts=course_600841) | 8am to 11am |
| Mon Apr 13, 2020 |  DISCUSSION: Final Exam Review - ALL STUDENTS come at 8 (https://utah.instructure.com/calendar?event_id=1679470&include_contexts=course_600841) | 8am to 11am |
| Mon Apr 20, 2020 |  LAB: Review, Time for Case Scenarios (https://utah.instructure.com/calendar?event_id=1679469&include_contexts=course_600841) | 8am to 11am |
| Wed Apr 22, 2020 |  Reading Day (https://utah.instructure.com/calendar?event_id=1679488&include_contexts=course_600841) | 12am |
| Mon Apr 27, 2020 |  Final exam - date/time TBA (https://utah.instructure.com/calendar?event_id=1679467&include_contexts=course_600841) | 8am to 11:30am |
| |  Electrotherapy Case Scenarios (https://utah.instructure.com/courses/600841/assignments/7014071) | due by 8am |
| |  Mechanical Agents Case Scenarios (https://utah.instructure.com/courses/600841/assignments/7014072) | due by 8am |
| |  Assignment Page Template (https://utah.instructure.com/courses/600841/assignments/6984586) | |
| |  Practical Final (https://utah.instructure.com/courses/600841/assignments/7014074) | |
| |  Quiz Template (https://utah.instructure.com/courses/600841/assignments/6984585) | |
| |  Written Final - % (https://utah.instructure.com/courses/600841/assignments/7014078) | |
| |  Written Midterm (https://utah.instructure.com/courses/600841/assignments/7014079) | |

