University of Florida College of Health and Health Professions PHC 6700: Social & Behavioral Research Methods (3 credits) Summer 2023

Delivery Format: Online Course Website: UFL E-Learning

Instructor

Cary Carr, MPH (she/her/hers)
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College of Public Health & Health Professions

Email Address: carycarr@ufl.edu
Office Hours: By appointment

Preferred Course Communications: Email.

Email Policy: Direct Outlook email (carycarr@ufl.edu) is the preferred method of communication, not the message function within Canvas. Response within 24 hours to emails received on weekdays (M-F). Emails received during the weekend or after 5pm on Friday will be answered by 1pm on the following Monday.

PURPOSE AND OUTCOME

Course Overview

This course is designed to provide an overview of research design, methods, and ethics for students in public health, with an emphasis on approaches used in the social and behavioral sciences. This course will use a variety of instructional methods to achieve these aims, including readings, discussions, projects, and hands-on research experiences.

Relation to Program Outcomes

The overarching aims for this course are to provide students with: 1) an overview of the types of research methods available; 2) the opportunity to design, conduct, and evaluate research projects; and 3) understanding of key ethical and cultural considerations related to the conduct of research.

Course Objectives and/or Goals

It is expected that, by the end of this course, PHC6700 students will be able to:

- 1. Advocate for the significance and need for social and behavioral research in the health sciences;
- 2. Critically evaluate public health social and behavioral science research;
- 3. Distinguish key ethical issues associated with specific types of research;
- 4. Compose research questions and hypotheses on a topic of inquiry;
- 5. Compare and contrast the key features of observational, qualitative, correlational, quasiexperimental, and experimental research designs;

- 6. Integrate basic quantitative and qualitative methods into the design of research in order to align with specific research questions;
- 7. Develop a research proposal that describes a researchable problem, the purpose of the study, the academic context of the study, sampling strategies, methodology, proposed analyses, and implications of potential findings;
- 8. Compare and contrast different data analytical approaches;
- 9. Communicate research designs in written and oral formats; and
- 10. Critique the research design, process, and analysis of their own work and the research of others.

What is expected of you?

You are expected to actively engage in the course throughout the semester. As we do not meet weekly, it is the sole responsibility of the student in online courses to keep up with course requirements.

To unlock course content, you must take a quiz on the syllabus and course procedures which can be found under the "Start Here" link in eLearning. While you receive no formal grade for this quiz, you must pass the quiz with 100% correct answers in order to unlock the course materials. After this, you will be able to access the course modules during their assigned week. Weeks "officially" start/open up at 12 AM on each Monday.

Please note: Because this is a Summer C course (12 weeks instead of 16 weeks), this course will run quicker than a course in the Fall and Spring. You are expected to keep up with this pace.

Diversity Statement

I consider this class to be a place where you will be treated with respect, and I welcome individuals of all ages, backgrounds, beliefs, ethnicities, genders, gender identities, gender expressions, national origins, religious affiliations, sexual orientations, ability – and other visible and nonvisible differences. All members of this class are expected to contribute to a respectful, welcoming, and inclusive environment for every other member of the class.

Teaching Philosophy

The aims of graduate school are different from those of undergraduate education. Undergraduate education is concerned primarily with instilling the essential knowledge in a field and—at its best—with preparing students for a lifetime of learning. Graduate education is about turning students into professional researchers and teachers. These different aims correspond to distinct responsibilities for both teachers and learners at the graduate and undergraduate levels. As aspiring professionals, you are responsible for taking initiative to master the key ideas and literature in the field and for seeking out the resources you need. My role is to facilitate your learning and professional development as independent scholars by introducing you to pertinent literature, by challenging you to evaluate and synthesize the material, and by rewarding individual initiative.

Inclusive Learning Environment

Public health and health professions are based on the belief in human dignity and on respect for the individual. As we share our personal beliefs inside or outside of the classroom, it is always with the understanding that we value and respect diversity of background, experience, and opinion, where every individual feels valued. We believe in, and promote, openness and tolerance of differences in ethnicity and culture, and we respect differing personal, spiritual, religious and political values. We further believe that celebrating such diversity enriches the quality of the educational experiences we provide our students and enhances our own personal and professional relationships. We embrace The University of Florida's Non-Discrimination Policy, which reads, "The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans' Readjustment Assistance Act." If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see your instructor or refer to the Office of Multicultural & Diversity Affairs website: www.multicultural.ufl.edu.

DESCRIPTION OF COURSE CONTENT

Course Materials, Instructional Methods, and Technology

- 1. Salazar, L. F., Crosby, R. A., & DiClemente, R. J. (2015). *Research Methods in Health Promotion* (2nd ed.). San Francisco, CA: Jossey-Bass. ISBN: 978-1-118-40906-0 [RM]
- American Psychological Association. (2019). Publication Manual of the American Psychological Association (7th ed.). Washington, DC: American Psychological Association. ISBN: 978-1433832178 [APA]

Additional Required Readings: Posted within each module on the course website.

Instructional Methods

This course is offered online, via Canvas. Each week, the course will have one or more learning "modules." Each module is made up of the following:

- 1. Assigned readings (textbook chapters and/or articles posted to eLearning)
- 2. Lectures/videos (posted to eLearning)
- 3. Activities

I ask that you complete each of the components of each module in the order listed above. The textbook readings make up the core foundation of this course, and supplemental articles, lectures, and videos are provided to supplement the course textbooks by offering applied examples, clarification of difficult concepts, and extensions of textbook material. Thus, I assume that you have completed the assigned readings when watching the videos; if you have not done so, the video content may be confusing.

<u>Announcements</u>

Class announcements will be sent via the announcements tool in Canvas. Depending on your Canvas notification settings, you may or may not be notified via email; you are responsible for all information in these announcements whether or not you see them in your email. Please update your settings so that you are notified of announcements.

Technical Support

For technical support for this class, please contact the UF Help Desk at:

- helpdesk@ufl.edu
- (352)-392-HELP select option 2
- https://helpdesk.ufl.edu/

Additional Academic Resources

- <u>Career Connections Center</u>: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
- <u>Library Support:</u> Various ways to receive assistance with respect to using the libraries or finding resources.
- <u>Teaching Center</u>: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
- <u>Writing Studio</u>: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
- Student Complaints On-Campus: <u>Visit the Student Honor Code and Student Conduct Code</u> webpage for more information.
- On-Line Students Complaints: View the Distance Learning Student Complaint Process.

ACADEMIC REQUIREMENTS AND GRADING

Assignments:

Syllabus Quiz (ungraded)

In order to open course content, you must successfully pass a syllabus quiz in Canvas. NOTE: While this quiz is ungraded, you must receive a 100% to unlock course materials. You will NOT be able to access course materials without passing this quiz.

Weekly Activities – 23% of Final Grade

There may be one or more activities associated with each module. Completion of these activities will contribute to 16% of the final grade. <u>Activities are due throughout the semester; due dates for each individual assignment are available via Canvas.</u>

Exams – 25% of Final Grade (Two exams each representing 12.5% of Final Grade)

There will be two exams in this course. Exam will consist of multiple-choice questions covering content addressed in the readings (textbook readings and additional assigned readings posted on Canvas), videos, and activities. Exam 1 will cover content discussed in Weeks 1-5 and Exam 2 will cover content discussed in Weeks 8-11 (while Exam 2 is not comprehensive, if a topic was discussed

in an early week of the class and again after Week 7 it may be included in Exam 2). Both exams will be completed via the **Honorlock** proctoring service. Please see Canvas for instructions on how to install the Honorlock browser extension. You must complete a practice quiz with Honorlock *prior to Exam 1* to make sure that your computer is set up correctly. The exams will be **closed book**, and you are not allowed to access outside materials when taking the exam; however, you will be permitted one (1) single 8x11 page of handwritten notes (you may only write on one side of the sheet of paper; the other side should be blank and can be used as scratch paper during the exam). Prior to the start of each exam, you will be asked to pan your webcam around your room/desk and to show this piece of paper (front and back) to the proctor. **Exam 1 will be completed during Week** 6; it will open at 12 AM EDT on Monday, June 19 and will close at 11:59 PM EDT on Sunday, June 25. Exam 2 will be completed during Week 13; it will open at 12 AM EDT on Friday, August 4 and close at 11:59 PM EDT on Friday, August 11.

Collaborative Research Evaluation Presentation – 12% of Final Grade

You will work with a classmate to evaluate a published research article by developing a narrated PowerPoint or video recording that includes the following components:

<u>Introduction</u>: A section describing the research problem and evaluating the construct definitions used in the study

<u>Research Question/Methods Alignment</u>: A section describing the study's research question(s) and your evaluation of whether the study research methods/design aligned with these questions

<u>Sampling</u>: A section describing the sampling methods used, and how they align with the research design/question.

<u>Results</u>: A section describing the study results, and whether the results were described/interpreted adequately.

<u>Discussion:</u> A section discussing the strengths and limitations of the study, including an evaluation of the implications suggested by the authors.

You will also engage with your peers by commenting on two of their presentations. This assignment has TWO due dates: The Research Evaluation Presentation will be POSTED by 11:59 PM EDT on Thursday, July 13th and you will comment on two peer posts by 11:59 PM on Sunday, July 16.

Research Proposal – 40% of Final Grade

You will compose a research proposal that outlines a need for, purpose, and design of a proposed study. Early in the semester, you will develop your own social/behavioral research question that explores a topic that is meaningful to you. You will submit this proposal in stages:

- 1. Part 1 of your research proposal will be due by <u>11:59 PM EDT on Sunday, June 18</u>. This portion of your proposal will be shared with a classmate, who will provide you with feedback (8% of Final Grade).
- 2. You will complete two peer reviews of your classmates' proposals. These peer reviews are due by 11:59 PM EDT on Sunday, July 9. (4% of Final Grade)
- 3. Part 2 of your research proposal will be due by 11:59 PM EDT on Sunday, July 23. (8% of Final Grade)
- 4. Your final research proposal will be due by 11:59 PM EDT on Sunday, Aug 6. (20% of Final Grade)

NOTE: There are other weekly activities associated with your research proposal that will assist you in developing your work.

A detailed rubric will be provided on the Canvas course site with explicit performance expectations and scoring criteria. The final submission of the research proposal should follow APA style and include a title page, an Introduction section, a Methods section, a Discussion section, and a References section. Proposals should be between 10 and 15 pages, excluding the references section.

Grading:

Requirement	Due date	Points or % of final grade
Weekly Activities	Ongoing	23%
Exam 1	11:59 PM EDT on Sunday, June 25	12.5%
Collaborative	**NOTE: TWO DUE DATES**	12%
Research Evaluation	ORIGINAL post due by 11:59 PM EDT on Thursday, July	
Presentation	13.	
	• TWO reply posts due by 11:59PM on Sunday, July 16.	
Final Research Paper	PART 1 due by 11:59 PM EDT on Sunday, June 18.	40%
	• Peer reviews due by 11:59 PM EDT on Sunday, July 9.	
	PART 2 due by 11:59 PM EDT on Sunday, July 23.	
	• Final paper due by 11:59 PM EDT on Sunday, August 6.	
Exam 2	11:59 PM EDT on Friday, August 11 (NOTE: FRIDAY DUE DATE, NOT SUNDAY!)	12.5%

Grading Scale: The final grade will be computed based on the following:

Percentag	93-100	90-	87-	83-	80-	77-	73-	70-	67-	63-	60-	Below
e		92.99	89.99	86.99	82.99	79.99	76.99	72.99	69.99	66.99	62.00	60
Letter Grade	Α	A-	B+	В	B-	C+	С	C-	D+	D	D-	E

NOTE: Percentages are **not** rounded up at the end of the semester, and grades are not curved.

Please be aware that a C- is not an acceptable grade for graduate students. The GPA for graduate students must be 3.0. in all 5000 level courses and above to graduate. A grade of C counts toward a graduate degree only if a sufficient number of credits in courses numbered 5000 or higher have been earned with a B+ or higher.

Letter Grade	Α	А-	B+	В	B-	C+	С	C-	D+	D	D-	E	WF	I	NG	S- U
Grade Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0	0.0	0.0	0.0	0.0

More information on UF grading policy may be found at: http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades

STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

Communication Guidelines

Please post questions related to the course material on the course discussion board (see board entitled "Seek Clarification on Syllabus, Curriculum, or Instruction") so that all students may benefit from the answers provided.

For other matters, please email the instructor directly (email address above) rather than using the messaging tool in Canvas. For digital communication, please see the following Netiquette Guidelines: http://teach.ufl.edu/wp-

content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf

Policy Related to Make ups or Other Work

If you have a scheduling conflict that prevents you from fulfilling a certain course requirement, please contact the course instructor as soon as possible. Late assignments will not be accepted without an approved arrangement with the course instructor. Failure to complete work prior to the deadlines outlined in this syllabus may result in a zero grade for that assignment.

Make-up exams will be provided only in cases of excused absences or conflict during final exams per university policy and MUST be discussed with the instructor in advance. Make-up exams will differ from the regularly scheduled exam. University policies states acceptable reasons for absence include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, and professional conferences), military obligation, severe weather conditions, religious holidays and participation in official University activities such as music performances, athletic competition or debate. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) must be excused. Remember that, when possible (i.e., extracurricular activities, official University activities, and religious holidays), prior notification of absence is required if the student plans to be given an extension on assignments. For more information regarding university policy on excused absences, please go to:

http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#attendance

Policy Related to Technical Issues

Any requests for make-ups due to technical issues **must** be accompanied by the ticket number received from the UF Computing help desk (http://helpdesk.ufl.edu/) created when the problem was reported to them. The ticket number will document the time and date of the problem. You **must** e-mail me within 24 hours of the technical difficulty if you wish to request a make-up.

Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Codes information at the Dean of Students Office website or the Academic Expectations information at the Graduate School website for additional details.

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Policy Related to Plagiarism

Plagiarism, as defined in the UF Student Honor Code (https://regulations.ufl.edu/wp-content/uploads/2018/06/4.040-1.pdf), will not be tolerated. Plagiarism detection software (e.g., TurnItIn) and other resources may be used to detect plagiarism. Assignments where the instructor deems that plagiarism has occurred may receive a zero grade, and may be reported to the Dean of Students office as a Student Honor Code violation. The APA publication manual (assigned textbook) provides guidelines on avoiding plagiarism; for more details you can also reference the Purdue Online Writing Lab website (https://owl.purdue.edu/owl/purdue_owl.html).

Turnitin

Academic integrity is a serious issue that has been a growing problem at universities. I have a zero tolerance policy for breaches of academic integrity, including plagiarism and cheating. There are multiple video resources posted on our Canvas site that discuss plagiarism and how to properly quote and cite other people's work. With each assignment you complete you are pledging that you hold yourself and your classmates to the highest standards of academic integrity. I use an online tool called Turnitin to check student work for originality; in other words, your work should be in your own words and not copied from any source. Every student needs to watch the videos on

plagiarism and on using Turnitin and needs to check their own Turnitin report, made available through the Canvas site automatically when you submit anything though assignments. You should submit assignments early enough to have time before the due date to make revisions to them if your Turnitin report shows areas of high similarity to online resources. Any student caught cheating or plagiarizing will be reported to the Dean of Students Office and will be subject to academic penalties in the course, at minimum.

Online Faculty Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at

https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

Policy Related to Extra Credit

Occasionally, there may be opportunities to complete additional assignments or answer additional questions for bonus points. These extra credit items will be optional.

For student evaluations of teaching, all members of the class will be awarded one (1) bonus point if at least 80% of the enrolled class completes evaluations, and two (2) bonus points if 100% of the enrolled class completes evaluations.

SUPPORT SERVICES

Accommodations for Students with Disabilities

If you require classroom accommodation because of a disability, it is strongly recommended you register with the Dean of Students Office http://www.dso.ufl.edu within the first week of class or as soon as you believe you might be eligible for accommodations. The Dean of Students Office will provide documentation of accommodations to you, which you must then give to me as the instructor of the course to receive accommodations. Please do this as soon as possible after you receive the letter. Students with disabilities should follow this procedure as early as possible in the semester. The College is committed to providing reasonable accommodations to assist students in their coursework.

UF Gender Equity

The UF Office for Accessibility and Gender Equity provides support to anyone affected by sexual or gender-based misconduct, harassment, or discrimination. Please know that your instructor in this course is considered an Official with Authority who is required to report violations of the gender equity policy. "Title IX is a federal law that requires officials with the authority to take action, to PHC6700 - Updated 04/30/23

report violations of the gender equity policy. Officials with authority must report these violations to the Title IX Coordinator or their deputies. The obligation to report applies whenever an Official with Authority receives, in the course and scope of employment, information about the alleged misconduct and policy violation. The report must include all information known to the employee which would be relevant to an investigation or redress of the incident, including whether the alleged victim has expressed a desire for confidentiality." For further information, including how to make a report, click here. Below are some specialist support services. You might not need them, but you might know someone who does. For specialist support in the aftermath of sexual assault, the Office of Victim Services on campus offer confidential, free support 24 hours a day, 7 days a week.

- Office of Victim Services: 1515 Museum Road, (352) 392-5648 (Monday Friday, 8:00 a.m. 5:00 p.m.) (352) 392-1111 (after business hours and on weekends)
- Alachua County Victim Services & Rape Crisis Center 352-264-6760 Monday-Friday, 8:30AM-5PM, some services available 24/7
- Peaceful Paths Domestic Abuse Network 352-377-8255 (24 hour helpline)

Counseling and Student Health

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such
 as psychological assessment and intervention and assistance for math and test anxiety. Visit
 their web site for more information: http://www.counseling.ufl.edu. On line and in person
 assistance is available.
- U Matter We Care website: http://www.umatter.ufl.edu/. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.



The Student Health Care Center at Shands is a satellite clinic of
the main Student Health Care Center located on Fletcher Drive on campus. Student Health
at Shands offers a variety of clinical services. The clinic is located on the second floor of the
Dental Tower in the Health Science Center. For more information, contact the clinic at 3920627 or check out the web site at: https://shcc.ufl.edu/

- Crisis intervention is always available 24/7 from: Alachua County Crisis Center: (352) 264-6789
 http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx
- University Police Department: <u>Visit UF Police Department website</u> or call 352-392-1111 (or 9-1-1 for emergencies).
- UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; <u>Visit</u> the UF Health Emergency Room and Trauma Center website.

Do not wait until you reach a crisis to reach out. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

COURSE OUTLINE

Weekly Course Schedule

A "week" in this course is defined as 12:00 AM EDT on a Monday through 11:59 PM EDT on the following Sunday. Assignments included as a part of a module are typically due by the end of the course "week" (i.e., 11:59 PM EDT on the following Sunday) unless otherwise noted.

Topical Outline/Course Schedule

Module	Date(s)	Topic(s)	Readings	Assignment(s) Due		
1	May 15-21	Course Introduction, Principles of Scientific Inquiry, Engaging with Research Literature	 RM Chap 1 & 2 APA Chap 1 (pg 3-10) Raff (2016) 	Introduce Yourself; Research Topic due by Sunday, 5/21 at 11:59 PM EST		
2	May 22-28	Research Question & Hypothesis Development, Ethics	 RM Chap 3 APA Chap 1 (pg 11-26) Resnick & Belluz (2018) 	Annotated Bibliography; Ethics Activity due by TUESDAY, 5/30 at 11:59 PM EST		
3	May 29 (Holiday)-June 4	Observational Research Designs & Experimental Designs	• RM Chap 4-5 & 9-10	Experimental & Observational Design Activity due by Sunday, 6/4 at 11:59 PM EST		
4	June 5-11	Qualitative Methods & Data Collection	 RM Chap 8 APA Chap 1 (pg 11-26); Chap 3, 	Qualitative Methods Activity; Research Questions due by		

			4, 6 (through pg 177), & 8	Sunday, 6/11 at 11:59 PM EST
5	June 12-18	Sampling	 RM Chap 6 Heen et al. 2014 Ledford 2020 	Sampling Activity; Research Proposal Part 1 (Introduction/Lit Review & Current Study) due by Sunday, 6/18 at 11:59 PM EST
6	June 19-25	EXAM 1		
7	June 26-July 2	SUMMER B	REAK	
8	July 3-9	Measurement, Survey Research	 RM Chap 7 Measurement in SBS Overview Burton et al. 2009 Nadal 2011 	Measurement Activity; Complete Peer Reviews due by Sunday, 7/9 at 11:59 PM EST
9	July 10-16	Scientific Communication	 Thapa et al., 2020; Rose-Hellauer et al. 2020 Brownell et al. 2013 	Collaborative Research Evaluation Presentation (Original Post due by Thursday, 7/13 at 11:59 PM EST; Replies due by Sunday, 7/16 at 11:59 PM EST)
10	July 17-23	Quantitative Data Analyses	RM Chap 14APA Chap 6 (pg 178 - end) & 7	Quantitative Data Analysis Activity; Research Proposal Part 2 (Methods) due by Sunday, 7/23 at 11:59 PM EST
11	July 24-30	Qualitative Data Analyses	RM Chap 16	Qualitative Data Analysis Activity due by Sunday, 7/30 at 11:59 PM EST
12	July 31-Aug 6	STUDY FOR EXAM 2 AND RESEARCH PI	Final Research Proposal due by Sunday, 8/6 at 11:59 PM EST	
13	Aug 7-11	EXAM 2		(NOTE: DIFFERENT DUE DAY)

Caveat: The above schedule and procedures in this course are subject to change in the event of extenuating circumstances. Any changes will be announced in class and via Canvas, and students are personally responsible for obtaining updated information regarding these changes.