

KINE 5340: Environmental Physiology
Spring 2018

Lecture Instructors: Michael Nelson, Ph.D. **Office:** ERB453
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Lecture Instructors: Rhonda Prisby, Ph.D. **Office:** 238 Life Sciences
Phone: 817-272-6786 **Hours:** Fri 1:00-3:00 or
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Faculty Profile: <https://mentis.uta.edu/explore/profile/rhonda%20-prisby>

Time and Place of Class Meetings: PH210 (Monday 2-4:50 pm)

Description of Course Content: This course will address the impact of environmental stress (e.g., thermal, gravitational, microgravity, etc.) on physiological systems.

Student Learning Outcomes: Students will gain insight into a variety of topics in the form of scholarly presentations, debates and round-table discussions.

Required Textbooks and Other Course Materials: The instructor will assign readings before each class.

Descriptions of major assignments and examinations: Students will be required to complete written assignments and participate in each class activity.

Requirements: Students are expected to attend lectures and participate in classroom discussions.

Grading: Nelson

Class participation:	15%
Weekly Assignments:	20%
Exam:	15%

Grading: Prisby

Class participation:	10%
Exam 1:	20%
Exam 2:	20%

Final Grading

100-89.5%	A
89.49-79.5%	B
79.49-69.5%	C
69.49-59.5%	D
<59.49%	F

*Grading policy subject to change. All enrolled students will be formally notified upon changes made to the grading policy during the semester.

Attendance: Students are strongly encouraged to attend all scheduled classes.

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/aao/fao/>).

AMERICANS WITH DISABILITIES ACT: The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Academic Integrity: Students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Student Support Services Available: The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit www.uta.edu/resources for more information.

Electronic Communication Policy: The University of Texas at Arlington has adopted the University "MavMail" address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. **Students are responsible for checking their MavMail regularly.** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington.

FINAL REVIEW WEEK: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

E-CULTURE POLICY: You may email me at any time if you need information.

The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

All students are assigned an email account and information about activating and using it is available at www.uta.edu/email. New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

TIMELINE FOR GRADE GRIEVANCES: The student has one calendar year from the date a grade is assigned to initiate a grievance. The normal academic channels are

- 1) Department Chair, 2) Academic Dean, and 3) the Provost.

Student Feedback Survey: At the end of each term, students enrolled in classes categorized as “lecture,” “seminar,” or “laboratory” shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Emergency Exit Procedures: Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, [which is located \[insert a description of the nearest exit/emergency exit\]](#). When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.
<https://www.uta.edu/policy/procedure/7-6>

Course Schedule

The instructors for this course reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course.

Date	Time	Activity
NELSON		
January 22	1400-1650	Course Introduction

		Debate: Heat Related Hemodynamic Changes Does/Does Not Affect Human Performance
January 29	1400-1650	Debate: End-tidal CO ₂ is/is not the primary contributor to orthostatic intolerance during heat stress
February 5	1400-1650	Debate: Dehydration Does/Does Not Impair Athletic Performance
February 12	1400-1650	Guest Lecture: Skin Blood Flow Regulation in Health and Disease (Dr. Brothers)
February 19	1400-1650	Debate: Ergogenic Aids Do/Do Not Improve Athletic Performance In Warm Environments
February 26	1400-1650	Debate: Hyperoxia is/is not safe and does/does not improve athletic performance
March 5	1400-1650	Nelson Exam
March 12		SPRING VACATION
PRISBY		
March 19	1400-1650	Cold Exposure
March 26	1400-1650	Altitude
April 2	1400-1650	Microgravity
April 9	1400-1650	Exam 1
April 16	1400-1650	Guest Lecture: Hyperbaric Hyperoxia (Dr. Wilson)
April 23	1400-1650	Air Pollution
April 30	1400-1650	Exam 2

Emergency Phone Numbers: In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911. Non-emergency number 817-272-3381