School of Public Health





PubH 6355-001 Pathophysiology of Human Disease Fall 2018

Credits: 4

Meeting Days: Lecture: Tuesdays and Thursdays, 11:15-12:30 pm, Moos 2-520

Lab/Recitation: Mondays, 11:15-1:10 pm, Mayo A110

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and by appointment by appointment

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Office Hours: both TAs: Mondays before lab 10:00am-11:00am (SPHere lounge)

I. Course Description

Welcome to Pathophysiology of Human Disease. This course presents a compendium of human diseases relevant to the public health professional. The material will be presented from an epidemiologic perspective that focuses on disease prevalence, incidence, morbidity and mortality, risk factors, and prevention strategies. It will emphasize mechanisms of development (pathogenesis), and progression, pathophysiologic associations with risk factors, structural alterations (morphologic changes) resulting from the disease, and the functional consequences of these structural changes (clinical significance) for diseases of major public health significance.

The course is divided into 5 Units:

- 1. **General pathophysiology:** Cells, tissues, organ structure and function. Pathophysiologic mechanisms of acute and chronic injury, necrosis/apoptosis & tissue repair (the healing process).
- 2. <u>Cardiovascular diseases</u>: Hyperlipidemia, atherosclerosis, coronary artery disease, hypertension, heart failure, thromboses, and stroke.
- 3. <u>Cancers:</u> Molecular basis for cancer development and progression, etiologic factors related to development of cancer, kinetics of tumor growth and the genetic contribution to cancer. Specific cancers covered in the course include lung, breast, colorectal, cervix, and prostate.
- 4. <u>Infectious diseases</u>: Immune function and immune pathology, categories of infectious agents, mechanisms and pathogenesis of infectious diseases, tuberculosis, malaria, influenza and HIV/AIDS.
- 5. <u>Other chronic health conditions:</u> An overview of the genetic contribution to chronic disease, obesity, diabetes mellitus, chronic obstructive pulmonary disease (COPD), renal disease, and Alzheimer's disease.

II. Course Prerequisites

Epidemiology and Public Health Nutrition MPH students or by permission from the instructors.

III. Course Goals and Objectives

After completion of this course, students will be able to:

- Provide a framework for understanding the pathophysiologic mechanisms responsible for diseases of major public health importance.
- Explain the pathologic processes underlying structural and functional disorders and their clinical significance.
- Describe variables or risk factors influencing the adaptive potential of individuals within their environment and throughout their life span.

IV. Methods of Instruction and Work Expectations

The course includes the five units previously mentioned. Each unit contains multiple lectures, several lab/recitation sessions and an examination for the unit. The lectures will provide core content, the lab/recitation will provide the opportunity to apply problem solving and critical thinking to the course material, and the exams provide the opportunity to demonstrate your competence of the material.

1. Course Expectations & Effort

Please pace yourself through the course according to the syllabus and class schedule. The course schedule includes dates for lectures, lab/recitations, and the examinations.

University of Minnesota policy states that work expectations per credit hour are fixed at a ratio of 1:3. That is, a *single credit course assumes three hours of work per week including class attendance*. The course has been designed with this expectation in mind; however, this is an average. Some weeks may require more time and other weeks less.

2. Examination Dates

The exam dates are listed in the syllabus and posted on the course calendar on Moodle. If you anticipate any difficulty meeting a deadline (due to a family emergency, documented illness, or attendance at a professional conference), arrangements must be made with your instructors and/or TA in advance of the actual due date to receive full credit for the assignment.

3. Questions about Course Material and Assignments

This course has two faculty instructors, two TA's, and several guest lecturers. Please do not hesitate to call or email us if you have questions or you would like to set up a time to meet.

V. Course Text and Readings

- 1. The Nature of Disease-Pathology for the Health Professions, Author: McConnell, Publisher: Lippincott Williams & Wilkins, second edition, 2014
- 2. Additional readings available on the Moodle course homepage for specific topics

VI. Course Outline/Weekly Schedule

Date	Lecture Topics				
Unit 1	General Pathophysiology				
September 4 Tuesday	Overview of course & core concepts Reading: • McConnell, Chapter 1; pp. 2-15 Lecturer: Tang				
September 6 Thursday	Genetic contributions to human disease – an overview Reading: • McConnell, Chapter 22; pp. 716-729 Lecturer: Tang				
September 10 Monday	Review cell permeability & transport; human organ systems; sensitivity & specificity; genetics Web Resources: • Cells Alive @ http://cellsalive.com/ • Cell Biology Animation @ http://www.johnkyrk.com/index.html • http://www.wiley.com/legacy/college/boyer/0470003790/animations/membrane_transport/membrane_transport.htm • http://www.ncbi.nlm.nih.gov/omim • http://www.ebi.ac.uk/gwas/ • http://www.genecards.org/ • http://www.ncbi.nlm.nih.gov/projects/SNP/ • http://www.ncbi.nlm.nih.gov/projects/genome/guide/human/ HW assignment 1.1 due				
September 11 Tuesday	Cell injury, cell death, and homeostasis Readings: • McConnell, Chapter 2; pp. 16-26 • McConnell, Chapter 14; pp. 409-417 Lecturer: Tang				
September 13 Thursday	Inflammation Reading: • McConnell, Chapter 2; pp. 26-41 Lecturer: Prizment				
September 17 Monday	Examination 1: General Pathophysiology Unit				
Unit 2	CVD				

Unit 2	CVD
September 18	Hemodynamics & blood pressure
Tuesday	Readings: • McConnell, Chapter 6, pp. 140-148 • McConnell, Chapter 8, pp. 212-216 • McConnell, Chapter 15, pp. 447-453 Lecturer: Tang

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September 20	Hypertension						
Thursday	Readings:						
	McConnell, Chapter 8, pp. 218-222 McConnell, Chapter 8, pp. 228-244, pp. 264-262						
	McConnell, Chapter 9, pp. 239-244, pp. 261-262						
	2017 ACC/AHA Guideline for the Prevention, Detection, Evaluation, and Management						
	of High Blood Pressure in Adults: https://www.acc.org/~/media/Non-Clinical/Files-PDF						
	Excel-MS-Word-etc/Guidelines/2017/Guidelines_Made_Simple_2017_HBP.pdf						
	Lecturer: Tang						
September 24	Lab/Recitation #2						
Monday	ECG lecture and blood pressure measurement						
	Class Exercises						
	Reading: McConnell, Chapter 9; pp. 241-244						
	Web Resource: http://www.medicine.mcgill.ca/physio/vlab/cardio/introECG.htm						
	HW assignment 2.1 due						
	Tive assignment 2.1 due						
	Lipid metabolism						
September 25	Readings:						
Tuesday	McConnell, Chapter 8; pp. 216-218						
	3 rd Report of the National Cholesterol Education Program (NCEP) Expert Panel,						
	NHLBI, 2001, <i>JAMA</i> , 2001;285:2486-2497						
	Grundy et. al., Implications of recent clinical trials for the NCEP Report, Circulation,						
	2004;110:227-239						
	2013 ACC/AHA Guideline on the Treatment of Blood Cholesterol to Reduce						
	Atherosclerotic Cardiovascular Risk in Adults						
	Web Resource: The LipidWeb: http://www.lipidhome.co.uk/lipids/simple/lipoprot/index.htm						
	(please focus on Lipoproteins/Plasma lipoproteins)						
	Lecturer: Tang						
September 27	Atherosclerosis & coronary artery disease						
Thursday	Readings:						
	McConnell. Chapter 9, pp. 248-255						
	NHLBI: Assessing Cardiovascular Risk: Systematic Evidence Review from the Risk						
	Assessment Work Group (https://www.nhlbi.nih.gov/health-pro/guidelines/in-						
	develop/cardiovascular-risk-reduction/risk-assessment)						
	Libby et al, Circulation 2005, 111: 3481-8						
	Fourth Universal Definition of Myocardial Infarction:						
	https://doi.org/10.1016/j.jacc.2018.08.1038						
	Lecturer: Tang						
	Lookaron, rang						
October 1	I able attaction to						
Monday	Lab/Regitation #3						
ivioriday	The Visible Heart Laboratory Tour, Mayo B172						
	CVD Risk Calculation						
	Class Exercises						
	10-year CVD Risk Calculator: http://tools.acc.org/ASCVD-Risk-Estimator/						
_	HW assignment 2.2 due						
October 2	Heart failure						
Tuesday	Reading:						
	McConnell, chapter 9, pp. 239-248						
	Lecturer: Jason Brown						
October 4	Cerebral circulation & stroke						
Thursday	Reading:						
	McConnell, Chapter 19; pp. 617-622						
	Lecturer: Tang						

October 8	Examination 2: CVD Unit
Monday	

Unit 3	Cancer					
October 9 Tuesday	Neoplasms—fundamental characteristics Readings: ■ McConnell, Chapter 5; pp. 114-138 Additional reading: Hanahan and Weinberg: The Hallmarks of Cancer: The Next Generation, 2011, Cell, Vol. 144: 646-674. Lecturer: Prizment					
October 11 Thursday	Lung cancer Readings:					
October 15 Monday	Carcinogens (Short lecture) Lecturer: Dr. Robert Turesksy Reading: NCI Link to Known Human Carcinogens URL https://www.cancer.gov/about-cancer/causes-prevention/risk/substances/carcinogens Class Exercises. Review of cancer concepts. See class web Page for more details HW Assignment 3.2 due					
October 16 Tuesday	Breast cancer Readings: McConnell, Chapter 17; pp. 543-544 & 547-552 NCI link to Breast Cancer treatment: https://www.cancer.gov/types/breast/patient/breast treatment-pdq NCI Fact Sheet- BRCA 1 & 2 https://www.cancer.gov/about-cancer/causes-prevention/genetics/brca-fact-sheet Lecturer: Kristin E. Anderson					
October 18 Thursday	Colorectal cancer Readings: • McConnell, Chapter 11; pp. 307-310 & 339-343 • NCI link to colorectal cancer treatment https://www.cancer.gov/types/colorectal/patient/colon-treatment-pdq Prostate cancer Readings: • McConnell, Chapter 16; pp. 490-492 & 499-504 (start with "Prostatic Hyperplasia") • NCI link to prostate cancer treatment https://www.cancer.gov/types/prostate/patient/prostate-treatment-pdq Lecturer: Prizment					
October 22 Monday	Demonstration: Tumor tissues from the pathology lab Class Exercises. See class web page for more details Topic Proposal for Term Paper Due HW Assignment 3.3 due					

October 23	HPV & cervical cancer					
Tuesday	Readings:					
	 McConnell, Chapter 17; pp. 510-512, 525-531 (start with "Dysplasia and Carcinoma of cervix") NCI link to cervical cancer treatment https://www.cancer.gov/types/cervical/patient/cervical-treatment-pdq Lecturer: Kristin Anderson 					
October 25	Childhood cancer					
Thursday	Readings:					
	• TBA					
	Lecturer: Erin Marcotte					
October 29	Examination 3: Cancer Unit					
Monday						

Unit 4	Infectious Disease				
October 30 Tuesday	The immune system Reading: • McConnell, Chapter 3; pp. 45-64 Lecturer: Tang				
November 1 Thursday	HIV/AIDS Readings: • McConnell, Chapter 3; 70-75, 91, 106-107 • CDC Fact Sheet-HIV & AIDS in the U.S (https://www.cdc.gov/nchhstp/newsroom/docs/factsheets/todaysepidemic-508.pdf) • CDC guidelines: https://www.cdc.gov/hiv/guidelines/index.html Lecturer: Tang				
November 5 Monday	Basic Concepts in Infection and Infectious Diseases Class Exercises HW assignment 4.1 due				
November 6 Tuesday	Tuberculosis Readings: • McConnell, Chapter 4; pp. 97-101 • CDC Fact Sheet-Trends in TB (https://www.cdc.gov/tb/publications/factsheets/statistics/tbtrends.htm) and TB Elimination (https://www.cdc.gov/tb/publications/factsheets/general/tb.pdf) Lecturer: Tang				
November 8 Thursday	Influenza Readings: • McConnell, Chapter 4; pp. 89 • CDC Fact Sheet-Overview of Influenza Surveillance in U.S. (https://www.cdc.gov/flu/weekly/overview.htm) Lecturer: Ruth Lynfield				
November 12 Monday	Other Infectious Diseases and Class Exercises Specific Cases of TB, HIV/AIDS, Influenza, and Malaria Reading: • McConnell, Chapter 4; pp. 79-111 HW assignment 4.2 due				

November 13	Zika virus infection						
Tuesday	Readings:						
	• TBA						
	Lecturer: Richard Danila						
November 15	Malaria						
Thursday	Readings:						
	McConnell, Chapter 4; pp. 102-103						
	McConnell, Chapter 7; pp. 187-189						
	WHO's World Malaria Report						
	(http://apps.who.int/iris/bitstream/handle/10665/259492/9789241565523-						
	eng.pdf;jsessionid=F9FD1745A5DB26E2938EBC71B364A38E?sequence=1)						
Lecturer: Tang							
November 19 Monday	Examination 4: ID Unit						

Unit 5	Other Chronic Disease
November 20 Tuesday	Diabetes Mellitus Readings: • McConnell, Chapter 13; pp. 386-388, 394-403, 406-407 • Diagnosis of diabetes mellitus-Up to Date (http://care.diabetesjournals.org/content/38/Supplement 1/S8) • Classification and Diagnosis of Diabetes: Standards of Medical Care in Diabetes—2018 (http://care.diabetesjournals.org/content/41/Supplement 1/S13) Lecturer: Tang
November 22 Thursday	Thanksgiving
November 26 Monday	Lab/Recitation 20 Carbohydrate Absorption Lecture and Blood Glucose Measurement Class Exercises, HW assignment 5.1 due
November 27 Tuesday	Obesity Readings: • McConnell, Chapter 23; pp. 759-765 • Etiology and natural history of obesity-Up to Date • Pathogenesis of obesity-Up to Date Lecturer: Ellen Demerath
November 29 Thursday	Renal Disease Readings: McConnell, Chapter 15; pp. 447-456, 470-479, 483-485 NIH kidney disease statistics for the US (https://www.niddk.nih.gov/health-information/health-statistics/kidney-disease) Lecturer: Tang Term Paper/Fact Sheets Due
December 3 Monday	Lab/Recitation #9 HW assignment 5.2 due Class presentation of term papers (fact sheets) in group

December 4 Tuesday	COPD Readings: • McConnell, Chapter 10, pp. 278-282, 286-291 • GOLD pocket guide (https://goldcopd.org/wp-content/uploads/2018/02/WMS-GOLD-2018-Feb-Final-to-print-v2.pdf) • Trends in COPD (https://www.lung.org/assets/documents/research/copd-trend-report.pdf) Lecturer: Tang
December 6 Thursday	Alzheimer's disease Readings: McConnell, Chapter 19; pp. 597-605, 627-628 Alzheimer's disease fact sheet (https://www.nia.nih.gov/health/alzheimers-disease-fact-sheet) NIH Statement on Alzheimer's Disease (https://consensus.nih.gov/2010/docs/alz/ALZ_Final_Statement.pdf) Lecturer: Tang
December 10 Monday	Labrectation #10 Spirometry & Pulmonary Functions Study review and class exercises
December 11 Tuesday	Examination 5: Other Chronic Disease Unit

VII. Evaluation and Grading

Students will be evaluated through 5 exams for five units and a final term paper (called fact sheets) each worth 50 points, homework assignments, and weekly reflections on the lecture materials.

Exams

Students will be evaluated at the end of each of the 5 units in the course with an exam, listed in the class schedule above. Exams will be scheduled during the lab/recitation session following the end of the unit, and are not cumulative. Students will have a study guide provided to them and the opportunity to review the study guide and the unit material in class.

Final term paper and presentation

For the final term paper in this class, students will write a fact sheet on a disease of their choosing. Students will also present their fact sheet to their peers, in a small group setting. The due dates for the fact sheets and the presentations are listed in the class schedule, and more information will be provided leading up to the final project.

Homework assignments

At least once a week, students will receive homework assignments. They are expected to answer the questions of the assignments and submit their answers on paper on the due date.

Weekly reflections on lecture materials (ie Questions on lectures)

Students are expected to come up with at least one question on the lectures each week and turn in their questions on paper at the end of the lectures on Thursdays. <u>They can also mention recent news relevant to the lectures of that week if they do not have any questions on the lectures.</u>

Examinations	<u>Points</u>
Unit 1: General Pathophysiology	50
Unit 2: CVD	50
Unit 3: Cancer	50
Unit 4: Infections Disease	50
Unit 5: Chronic Disease	50
Term Paper (fact sheets) and presentation	50
HW Assignments	20
Questions on lectures	14 (Due at the end of lectures on Thursdays)

Total Points 334

Extra Credit: 10 points (1 point for each recitation worksheet handed in during the lab session)

Final grade will be assessed on a 100-point scale based on the following scale:

Α	93-100%	B-	80-<83	D+	67- 0</th
A-	90-<93	C+	77-<80	D	63-<67
B+	87-<90	С	73-<77	D-	60-<63
В	83-<87	C-	70-<73	F	Below 60

The S/N option is available for this course. B- or better is required for an S.

The University utilizes plus and minus grading on a 4.000 cumulative grade point scale in accordance with the following:

- A 4.000 Represents achievement that is outstanding relative to the level necessary to meet course requirements
- A- 3.667
- B+ 3.333
- B 3.000 Represents achievement that is significantly above the level necessary to meet course requirements
- B- 2.667
- C+ 2.333
- C 2.000 Represents achievement that meets the course requirements in every respect
- C- 1.667
- D 1.000 Represents achievement that is worthy of credit even though it fails to meet fully the course requirements

Course Evaluation

The SPH will collect student course evaluations electronically using a software system called CoursEval: www.sph.umn.edu/courseval. The system will send email notifications to students when they can access and complete their course evaluations. Students who complete their course evaluations promptly will be able to access their final grades just as soon as the faculty member renders the grade in SPHGrades: www.sph.umn.edu/grades. All students will have access to their final grades through OneStop two weeks after the last day of the semester regardless of whether they completed their course evaluation or not. Student feedback on course content and faculty teaching skills are an important means for improving our work. Please take the time to complete a course evaluation for each of the courses for which you are registered.

Incomplete Contracts

A grade of incomplete "I" shall be assigned at the discretion of the instructor when, due to extraordinary circumstances (e.g., documented illness or hospitalization, death in family, etc.), the student was prevented from completing the work of the course on time. The assignment of an "I" requires that a contract be initiated and completed by the student before the last official day of class, and signed by both the student and instructor. If an incomplete is deemed appropriate by the instructor, the student in consultation with the instructor, will specify the time and manner in which the student will complete course requirements. Extension for completion of the work will not exceed one year (or earlier if designated by the student's college). For more information and to initiate an incomplete contract, students should go to SPHGrades at: www.sph.umn.edu/grades.

University of Minnesota Uniform Grading and Transcript Policy

A link to the policy can be found at onestop.umn.edu.

VIII. Other Course Information and Policies

Grade Option Change (if applicable):

For full-semester courses, students may change their grade option, if applicable, through the second week of the semester. Grade option change deadlines for other terms (i.e. summer and half-semester courses) can be found at onestop.umn.edu.

Course Withdrawal

Students should refer to the Refund and Drop/Add Deadlines for the particular term at onestop.umn.edu for information and deadlines for withdrawing from a course. As a courtesy, students should notify their instructor and, if applicable, advisor of their intent to withdraw.

Students wishing to withdraw from a course after the noted final deadline for a particular term must contact the School of Public Health Office of Admissions and Student Resources at sph-ssc@umn.edu for further information.

Student Conduct Code

The University seeks an environment that promotes academic achievement and integrity, that is protective of free inquiry, and that serves the educational mission of the University. Similarly, the University seeks a community that is free from violence, threats, and intimidation; that is respectful of the rights, opportunities, and welfare of students, faculty, staff, and guests of the University; and that does not threaten the physical or mental health or safety of members of the University community.

As a student at the University you are expected adhere to Board of Regents Policy: *Student Conduct Code*. To review the Student Conduct Code, please see:

http://regents.umn.edu/sites/default/files/policies/Student_Conduct_Code.pdf.

Note that the conduct code specifically addresses disruptive classroom conduct, which means "engaging in behavior that substantially or repeatedly interrupts either the instructor's ability to teach or student learning. The classroom extends to any setting where a student is engaged in work toward academic credit or satisfaction of program-based requirements or related activities."

Use of Personal Electronic Devices in the Classroom

Using personal electronic devices in the classroom setting can hinder instruction and learning, not only for the student using the device but also for other students in the class. To this end, the University establishes the right of each faculty member to determine if and how personal electronic devices are allowed to be used in the classroom. For complete information, please reference:

http://policy.umn.edu/Policies/Education/Education/STUDENTRESP.html.

Scholastic Dishonesty

You are expected to do your own academic work and cite sources as necessary. Failing to do so is scholastic dishonesty. Scholastic dishonesty means plagiarizing; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; altering, forging, or misusing a University academic record; or fabricating or falsifying data, research procedures, or data analysis. (Student Conduct Code:

http://regents.umn.edu/sites/default/files/policies/Student_Conduct_Code.pdf) If it is determined that a student has cheated, he or she may be given an "F" or an "N" for the course, and may face additional sanctions from the University. For additional information, please see:

http://policy.umn.edu/Policies/Education/Education/INSTRUCTORRESP.html.

The Office for Community Standards has compiled a useful list of Frequently Asked Questions pertaining to scholastic dishonesty https://communitystandards.umn.edu. If you have additional questions, please clarify with your instructor for the course. Your instructor can respond to your specific questions regarding what would constitute scholastic dishonesty in the context of a particular class-e.g., whether collaboration on assignments is permitted, requirements and methods for citing sources, if electronic aids are permitted or prohibited during an exam.

Makeup Work for Legitimate Absences

Students will not be penalized for absence during the semester due to unavoidable or legitimate circumstances. Such circumstances include verified illness, participation in intercollegiate athletic events, subpoenas, jury duty, military service, bereavement, and religious observances. Such circumstances do not include voting in local, state, or national elections. For complete information, please see: http://policy.umn.edu/Policies/Education/Education/MAKEUPWORK.html.

Appropriate Student Use of Class Notes and Course Materials

Taking notes is a means of recording information but more importantly of personally absorbing and integrating the educational experience. However, broadly disseminating class notes beyond the classroom community or accepting compensation for taking and distributing classroom notes undermines instructor interests in their intellectual work product while not substantially furthering instructor and student interests in effective learning. Such actions violate shared norms and standards of the academic community. For additional information, please see: http://policy.umn.edu/Policies/Education/Education/STUDENTRESP.html.

Sexual Harassment

"Sexual harassment" means unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive working or academic environment in any University activity or program. Such behavior is not acceptable in the University setting. For additional information, please consult Board of Regents Policy: http://regents.umn.edu/sites/default/files/policies/SexHarassment.pdf

Equity, Diversity, Equal Opportunity, and Affirmative Action

The University will provide equal access to and opportunity in its programs and facilities, without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. For more information, please consult Board of Regents Policy:

http://regents.umn.edu/sites/default/files/policies/Equity_Diversity_EO_AA.pdf.

Disability Accommodations

The University of Minnesota is committed to providing equitable access to learning opportunities for all students. The Disability Resource Center Student Services is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations.

If you have, or think you may have, a disability (e.g., mental health, attentional, learning, chronic health, sensory, or physical), please contact DRC at 612-626-1333 or drc@umn.edu to arrange a confidential discussion regarding equitable access and reasonable accommodations.

If you are registered with DS and have a current letter requesting reasonable accommodations, please contact your instructor as early in the semester as possible to discuss how the accommodations will be applied in the course.

For more information, please see the DS website, https://diversity.umn.edu/disability/.

Mental Health and Stress Management

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance and may reduce your ability to participate in daily activities. University of Minnesota services are available to assist you. You can learn more about the broad range of confidential mental health services available on campus via the Student Mental Health Website: http://www.mentalhealth.umn.edu.

The Office of Student Affairs at the University of Minnesota

The Office for Student Affairs provides services, programs, and facilities that advance student success, inspire students to make life-long positive contributions to society, promote an inclusive environment, and enrich the University of Minnesota community.

Units within the Office for Student Affairs include, the Aurora Center for Advocacy & Education, Boynton Health Service, Central Career Initiatives (CCE, CDes, CFANS), Leadership Education and Development – Undergraduate Programs (LEAD-UP), the Office for Fraternity and Sorority Life, the Office for Community Standards, the Office for Student Engagement, the Parent Program, Recreational Sports, Student and Community Relations, the Student Conflict Resolution Center, the Student Parent HELP Center, Student Unions & Activities, University Counseling & Consulting Services, and University Student Legal Service.

For more information, please see the Office of Student Affairs at https://osa.umn.edu/.

Academic Freedom and Responsibility

Academic freedom is a cornerstone of the University. Within the scope and content of the course as defined by the instructor, it includes the freedom to discuss relevant matters in the classroom. Along with this freedom comes responsibility. Students are encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth. Students are free to take reasoned exception to the views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled.*

Reports of concerns about academic freedom are taken seriously, and there are individuals and offices available for help. Contact the instructor, the Department Chair, your adviser, the associate dean of the college, (Dr Kristin Anderson, SPH Dean of Student Affairs), or the Vice Provost for Faculty and Academic Affairs in the Office of the Provost.

* Language adapted from the American Association of University Professors "Joint Statement on Rights and Freedoms of Students".

Student Academic Success Services (SASS)

Students who wish to improve their academic performance may find assistance from Student Academic Support Services. While tutoring and advising are not offered, SASS provides resources such as individual consultations, workshops, and self-help materials. $\frac{1}{2} \frac{1}{2} \frac{1}$

Template update 8/2017