

CANCER EPIDEMIOLOGY

Course No. BE-8098001

Course No. PH-8088001

2 Graduate Credits

Spring Semester, 2019

Professor: Susan Pinney, PhD
Professor
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Please use only my UC email address (not my CCHMC email address).

Prerequisites: Introduction to Epidemiology or Epidemiology for Public Health
(Can be taken simultaneously with this course)

Hours: Wednesday, 3:00 – 4:50 pm.

Room: Room G17, Kettering Building.

Course Description: An overview of the sources of information (state and national systems for reporting cancer incidence and mortality, medical record information, death certificates) for descriptive statistics of cancer incidence and mortality, survival. Discussion of the principles of screening for cancer. Examination of studies showing associations of lifestyle and environmental risk factors with various types of cancer; discussion of various types of study designs including those to examine genetic variants. Each student selects a cancer site for a mock media interview.

Course Objectives:

1. Acquire information about the population distribution of cancer, etiology and prevention.
2. Examine the roles of lifestyle risk factors, genetic variants, and environmental exposures in the causation of cancer.
3. Study methodologic issues in the conduct of research of cancer etiology, prevention, and control.

Textbooks:

Course packet of readings from several texts and published papers. Available from UC Medical Center Duplicating.

You also will be assigned readings from monographs, websites, scientific journal articles and newspaper articles.

Course Requirements (Total possible 100 points):

1. **Weekly reading assignments, class attendance and participation in class discussion reflecting content of reading assignments (5 points).** Your learning will be proportional to your participation. Assigned readings from textbooks are meant to be background reading. Other required assigned readings are the basis for class discussion, so important to be read before class. You are expected to participate in class discussions. Participating in class discussions will prepare you for the analytic problems in the final exam. If you are on-call please put phone/pagers on vibrate. If you are going to miss a class due to another commitment, please inform Dr. Pinney at least one day

prior to the class. ***You may miss no more than 2 classes without absences affecting your grade.***

2. **Quizzes (20 points)** – Two announced quizzes will be given, each worth 10 points.
3. **Final Exam (30 points)**
4. **Written Assignments:** Written homework assignments (described below) are designed to provide you with ongoing feedback.
 - a. **Assignment A: Questions on Carcinogenesis (5 points)**
 - b. **Assignment B: Protocol for matching controls to cancer cases on one characteristic. (10 points)**
 - c. **Assignment C: Critique of Two Epidemiology Studies of Cancer. (20 points).** For this assignment, read and critique two published reports of a studies of cancer.
 - d. **Assignment D: Media Interview on Cancer (10 points).** An event has occurred which has resulted in Cancer X being of news interest. During an interview, you will first provide some background information on Cancer X (5 minutes) and answer questions from a reporter.

Assignment D: Media Interview Topics:

Testicular cancer	Pancreatic Cancer
Cervical cancer	Inflammatory breast cancer
Ovarian cancer	Hepatocellular (liver) cancer
Nephroblastoma (Wilms' tumor)	Esophageal cancer
Brain cancer (adult glioma)	Gastric (stomach) cancer
Brain cancer (child DFIG)	Multiple myeloma
Lymphoma	Mesothelioma
Osteosarcoma	Cancer of the appendix
Ewing sarcoma	Neuroblastoma

If you have another cancer related topic you would like to use, please speak to me.

Late assignments will result in a 5% reduction for each 24 hour period that the assignment is late.

Grading:

http://www.uc.edu/registrar/faculty_resources/grading_scales.html#grad.

Learning approach:

The instructor will facilitate learning through lectures, discussion, case studies, and other interactive classroom or online activities. Students will be required to complete skill-building assignments, participate in class discussions and activities, read the assigned textbook and published papers, and successfully complete quizzes, and a final examination.

Academic Ethics: The faculty of the Department of Environmental Health believes that the conduct of a student taking a course in the Department should be consistent with that of a professional individual. All students in this course will be expected to conduct themselves with complete integrity. All work by the student will be the work of that student, unless otherwise referenced. New research ideas presented during the class are the intellectual property of the faculty member or student who presented them.

Course policies and procedures:

1. If you have any special needs related to your participation in this course, including identified visual impairment, hearing impairment, physical impairment, communication disorder, and/or specific learning disability that may influence your performance in this course, you should meet with the instructor to arrange for reasonable provisions to ensure an equitable opportunity to meet all the requirements of this course. At the discretion of the instructor, some accommodations may require prior approval of Disability Services.
2. Make-up quizzes or exams are strongly discouraged. Only in exceptional cases such as a serious medical emergency (authenticated by written note from a physician) will the instructor discuss such possibilities and decide on a case-by-case basis.
3. All enrolled students have access to online **BlackBoard** site of the course. The syllabus and class schedule will be posted on BlackBoard. The students must check the **Announcements** section regularly.
4. Attendance will be taken. Students may miss no more than two classes in order to receive at least a grade of C in the class.
6. The university rules, including the Student Code of Conduct, and other documented policies of the department, college, and university related to academic integrity will be enforced. Any violation of these regulations including acts of plagiarism or cheating will be dealt with on an individual basis according to the severity of the misconduct.

Mental Health Services at the University of Cincinnati

Counseling Services, Clifton Campus

Students have access to counseling and mental health care through the University Health Services (UHS), which can provide both psychotherapy and psychiatric services. In addition, Counseling and Psychological Services (CAPS) can provide professional counseling upon request; students may receive five free counseling sessions through CAPS without insurance. Students are encouraged to seek assistance for anxiety, depression, trauma/assault, adjustment to college life, interpersonal/relational difficulty, sexuality, family conflict, grief and loss, disordered eating and body image, alcohol and substance abuse, anger management, identity development and issues related to diversity, concerns associated with sexual orientation and spirituality concerns, as well as any other issue of concerns. After hours, students may call UHS at 513-556-2564 or CAPS Cares at 513-556-0648. For urgent physician consultation after-hours students may call 513-584-7777.

Counseling Services, Blue Ash Campus

UC Blue Ash Counseling Services provides high quality integrated health, counseling, and wellness services. **Mental Health and personal counseling services are free of charge to students who are matriculated as UC Blue Ash College students.** Services address student needs such as self esteem, family conflict, loss and grief issues, adjusting to life's challenges, relationship problems, eating disorders, physical and/or emotional abuse, and domestic violence. Students who want an initial meeting with a counselor can call (513) 745-5670 or stop by Room 140 Muntz Hall to schedule an appointment. If after hours, please call CAPS Cares (main campus) using the 24 Hour Phone Consultation Line at 513-556-0648.

Counseling Services, Clermont Campus

The Compass Counseling Center provides students assistance in helping to deal with life's stressors and adjustment to college life. **All services provided to UC Clermont students are free and confidential.** Some of the most common issues addressed at the center include transition to college life, stress from home, classroom performance, depression, anxiety, relationship problems, grief and loss, and substance abuse. Students are welcome and encouraged to walk into the Compass Counseling Center located in the Student Services Building, Room 201. Students may contact the office by calling (513) 732-5263. If after hours, please call CAPS Cares (main campus) using the 24 Hour Phone Consultation Line at 513-556-0648.

Title IX

Title IX is a federal civil rights law that prohibits discrimination on the basis of your actual or perceived sex, gender, gender identity, gender expression, or sexual orientation. Title IX also covers sexual violence, dating or domestic violence, and stalking. If you disclose a Title IX issue to me, I am required forward that information to the Title IX Office. They will follow up with you about how the University can take steps to address the impact on you and the community and make you aware of your rights and resources. [Their priority is to make sure you are safe and successful here.](#) You are not required to talk with the Title IX Office. [If you would like to make a report of sex or gender-based discrimination, harassment or violence, or if you would like to know more about your rights and resources on campus, you can consult the website \[www.uc.edu/titleix\]\(http://www.uc.edu/titleix\) or contact the office at 556-3349.](#)