



COURSE INFORMATION SHEET  
**Biology 425 – Reading Course in Epidemiology**  
**Winter 2012**

Tentative Course Outline and Schedule for Winter semester, 2012.

**Prerequisites:** Zoology 261 263 ; Biology 241 strongly recommended

**Instructor:** Dr. Jessmi Ling / Dr. Carol Gibbons Kroeker  
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**Text:** Outbreak Investigations around the World: Case studies in Infectious Disease Field Epidemiology; Mark S. Dworkin; Jones and Bartlett; 2009.

**Learning Objectives:**

1. Through case study work, textbook reading, and personal research, the student will learn about the spread and containment of disease, the role of epidemiology, and about the biology of several pathogens.
2. Students will learn how to critically examine case studies
3. Students will become proficient at literature searches and research
4. Students will develop skills in paper -writing

Students will be responsible for reading all case studies in the book. From these 19 case studies, you will choose 12 to write up in essay format. Eleven of the 12 case reports should be quite brief (4-6 pages). Each essay will include an overview of the chapter summarizing the outbreak and resolution. You are also expected to briefly describe the pathogen, its morphology, ecological niche and reproduction, infection and spread of disease, clinical manifestations (disease symptoms) and pathogenicity, virulence, detection and diagnosis, treatment, prevention and other relevant information.

The twelfth report should be a more in-depth term paper describing the disease outbreak and resolution, including the most recent research data and conclusions of the pathogen. This paper is expected to be between 15 to 20 pages (double-spaced text, not including reference list, tables and/or illustrations. Electronic submissions preferred, and all papers must be received no later than Thursday, 12<sup>th</sup> April, 2012.

**Mark Distribution** : 11 Case Study Reports – 7% each; 77% total  
Final In-depth Case Study report - 23%

**Grading Scheme**

A	90-100%	C	63-66%
A-	85-89%	C-	60-62%
B+	80-84%	D+	54-59%
B	76-79%	D	50-53%
B-	70-75%	F	Below 50%
C+	67-69%		

### **Important Notes/Dates:**

Convocation Chapel – Thursday, January 12.

Last day to enter course without permission; last day to withdraw from a course, change to audit, and receive tuition refund – Sunday, January 22.

Returning Scholarship application available – Wednesday, February 1.

Returning Scholarship application deadline – Tuesday, February 28.

Last day to withdraw from courses or change to audit without academic penalty – Friday, March 23.

Registration period commences – Monday, April 2.

Last day to request revised time for a final exam – Monday, April 9.

Last day to apply for time extension for coursework – Monday, April 9.

***Please note that final grades will be available on your student portal. Printed grade sheets are no longer mailed out.***

### **Other Syllabus Features:**

*It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Student Handbook and Academic Calendar. Personal information, that is information about an individual that may be used to identify that individual, may be collected as a requirement as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).*

*Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a "Course Extension" from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the appropriate deadline (as listed in the Academic Calendar <http://www.ambrose.edu/publications/academiccalendar>). Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."*

*We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar and the Student Handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean.*

*Students are advised to retain this syllabus for their records.*

*Course changes, including adding or dropping a course, may be made during the Registration Revision period, as outlined in the Calendar of Events. All course changes must be recorded on a Registration form, available from the Office of the Registrar. Due to circumstances such as class size, prerequisites or academic policy, the submission of a Registration form does not guarantee that a course will be added or removed from a student's registration. Students may change the designation of any class from credit to audit up to the date specified in the Calendar of Events, although students are not entitled to a tuition adjustment or refund after the Registration Revision period.*

*Withdrawal from courses after the Registration Revision period will not be eligible for tuition refund. Students intending to withdraw from some or all of their courses must submit a completed Registration form to the Registrar's office. The dates by which students may voluntarily withdraw from a course without penalty are listed in the Calendar of Events. A grade of 'W' will be recorded on the student's transcript for*

*any withdrawals from courses made after the end of the Registration Revision period and before the Withdrawal Deadline (also listed in the Calendar of Events). 'W' grades are not included in grade point average calculations. A limit on the number of courses from which Academic a student is permitted to withdraw may be imposed. Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.*

*An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Office of the Registrar in writing within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal to review final grades. If the appeal is sustained, the fee will be refunded.*

*Academic dishonesty is taken seriously at Ambrose University College as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to give credit to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from Ambrose. Students are expected to be familiar with the policy statements in the current academic calendar and the student handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.*