COURSE DESCRIPTION
This course will introduce the basic concepts of epidemiology and biostatistics as applied to public health problems. Emphasis is placed on the principles and methods of epidemiologic investigation, appropriate summaries and displays of data, and the use of classical statistical approaches to describe the health of populations. Topics include the dynamic behavior of disease, usage of rates, ratios and proportions, methods of direct and indirect adjustment, and clinical life table which measures and describes the extent of disease problems.

LEARNING OBJECTIVES
Upon completion of this course, the student will be able to:
1. Describe the major steps in the practice of EBM including forming a focused clinical question, searching for the best evidence, and applying it to patient care.
2. Describe and apply the basic principles and tools of clinical epidemiology.
3. Accessing and assessing medical information and research studies.

ASSESSMENT AND GRADING
- 4 Discussion Board Questions: A question or topic relevant to the course material will be posted by the professor. Students will answer discussion questions by a specific date. Students are also required to respond to one other students post in order to receive full credit. Students are encouraged to use readings from the course, outside readings and their own experience in answering questions posed.
- 4 Quizzes: There will be four quizzes. Students will have to answer specific questions.
- 3 Critical Appraisal of the Evidence Worksheets: Students will be asked to critical appraise articles according to JAMA guided worksheets. Students will work in groups of two. Only one student will be responsible for uploading worksheets. Each article (diagnosis, treatment, and review) will be 15 points each.

Unless otherwise authorized by the course coordinator in advance of the date on which they are due, all assignments must be submitted on or before the due date. Five points will be deducted from the final grade for each calendar day that an assignment is past due.

Your grade will be determined by calculating the percentage of points you have earned out of all available points, and comparing your percentage to the standard grading scale (A= >90.00%, B=80.00-89.99%, etc.) with appropriate adjustments made for + and - grades.