MASTER SYLLABUS

COURSE: HCM 340-3 Managerial Epidemiology and Population Health

COURSE DESCRIPTION: An exploration of managerial epidemiology principles as they related to decision-making processes involved with the delivery and management of healthcare services. Focuses on issues involved with population and community health, including outreach and campaigning, evidence based practice, prevention, and comparative effectiveness. Review governance issues in healthcare organizations and explore the role of epidemiology as a foundational tool for making management related decision-making processes. A writing intensive course.

PREREQUISITES TO: ENGL 101. Restricted to HCM major or minor.


COURSE OBJECTIVES:

1. Identify the role and current issues of epidemiology and population health within the functions of health care management.
2. Calculate, analyze, and interpret population health data and understand their influence on healthcare delivery and utilization.
3. Design studies to address the health needs of the population and utilize the information for management decisions, such as new practice/specialization development, community outreach, patient marketing, and medical management.
4. Identify Healthy People 2020 as a comprehensive framework for population health promotion and disease prevention.
5. Understand bioterrorism and disaster preparedness issues unique to the field of healthcare.
6. Discuss the role of managerial epidemiology in meeting the quality improvement demands in patient care facilities.
7. Conduct an economic analysis to determine how population health issues, such as the burden of disease, impact a population and the organizational strategy of healthcare facilities.
9. Discuss strategies for population health management in health care organizations.

COURSE OUTLINE:

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<tr>
<th>Topics</th>
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<tbody>
<tr>
<td>I. The role of epidemiology and population health in healthcare management</td>
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<td>II. Measurements of health</td>
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<td>III. Using epidemiological studies to address health needs of the population</td>
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<td>IV. Medical management: chronic disease, infectious epidemics, bioterrorism and emergency preparedness</td>
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<td>V. Population outcomes and quality of care</td>
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<td>VI. Community health needs assessment</td>
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VII. Population health management in health care organizations 10%
VIII. Economic analysis of population need 5%
IX. Case studies for classroom to boardroom application 10%

**COURES DELIVERABLES (may vary based on instructor):** Case Studies, Exams, Class Project

**GRADING SCALE (may vary based on instructor):** A= 100-90%; B= 89.9-80%; C= 79.9-70%; D= 69.9-60%; F= 59.9% and below

**LEARNING/ASSESSMENT METHODS:** Pre and Post Test, Final Grade Percentage