

# University of Maryland, College Park

## Department of Public and Community Health

### HLTH 652 (formerly 688R) - Quantitative Research Methods I in Public Health

**Instructor:** Professor Min Qi Wang  
**Office/Phone:** HHP 2373 / 301-405-6652  
**Email:** mqw@umd.edu  
**Semester:** Fall 2006  
**Classroom/Time:** HHP 307 / Tue 7:00-9:45PM  
**Teaching Assistant:** N/a

**OFFICE HOURS**  
 Monday – n/a  
 Tuesday – 2-4pm  
 Wednesday – 2-4pm  
 Thursday – 2-4pm  
 Friday – n/a

<b>Required Textbooks &amp; Other Readings</b>	<ol style="list-style-type: none"> <li>1. Website on statistics: <a href="http://www.statsoftinc.com/textbook/stathome.html">http://www.statsoftinc.com/textbook/stathome.html</a>;</li> <li>2. SPSS Advanced Statistics User’s Guide, 1990 edition to higher;</li> <li>3) Discovering Statistics Using SPSS by Field, A. Sage Publications, 2005;</li> <li>4) Statistical Analysis: An Interdisciplinary Introduction to Univariate &amp; Multivariate Methods by Kachigan S.K. Radius Press, New York.</li> </ol>
<b>Course Description</b>	The course covers intermediate statistics and procedures in health-related research for doctoral students. The course focuses on the applied level of statistics rather than theoretical with the emphasis on 1) how to apply statistical models, 2) how to perform the analysis with available software, and 3) how to interpret findings.
<b>Course Objectives</b>	<p>At the conclusion of this course, the student will be able to:</p> <ol style="list-style-type: none"> <li>1) understand and apply predictive models - linear and logistic regressions</li> <li>2) understand and apply causal modeling – path analysis</li> <li>3) understand and apply repeated analysis of variance and covariance</li> <li>4) understand and apply factor analysis and reliability analysis</li> <li>5) understand and apply survival data analysis</li> <li>6) understand and apply complex survey data analysis</li> </ol>
<b>Course Policies</b>	<p><u>Missed Exams or other assignments:</u></p> <p>General speaking, make-up test will not be allowed. The assignment that is turned in late will have points deducted and the deduction will depend on the length of delay.</p> <p><u>Accommodations for students with disabilities:</u>          If you have a documented disability and wish to discuss academic accommodations for test taking or other needs, please talk to me as soon as possible. You will need documentation from Disability Support Service (314-7682.) If you intend to take any or all exams at DSS it is your responsibility to notify me as soon as possible.</p> <p><u>Academic Integrity:</u></p>

The University's code of academic integrity is designed to ensure that the principle of academic honesty is upheld. Any of the following acts, when committed by a student, shall constitute academic dishonesty:

- ✓ CHEATING : intentionally using or attempting to use unauthorized materials, information, or study aids in an academic exercise.
- ✓ FABRICATION: intentional and unauthorized falsification or invention of any information or citation in an academic exercise.
- ✓ FACILITATING ACADEMIC DISHONESTY: intentionally or knowingly helping or attempting to help another to violate any provision of this code.
- ✓ PLAGIARISM: intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise.

For more information see:

<http://www.inform.umd.edu/CampusInfo/Departments/PRES/policies/iii100a.html>

Religious Observances:

The University System of Maryland policy provides that students *should not be penalized because of observances of their religious beliefs; students shall be given an opportunity, whenever feasible, to make up within a reasonable time any academic assignment that is missed due to individual participation in religious observances.* **It is the student's responsibility to inform the instructor in advance of any intended absences for religious observance.**



<b>Evaluation</b>	<b>Grading</b>
	96-100 points A+ 91-95 points A 86-90 points A- 81-85 points B+ 76-80 points B 71-75 points B- 66-70 points C+ 61-65 points C 56-60 points C- 51-55 points D+ 46-50 points D 41-45 points D- 40 & below F

<b>Competencies</b>
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