### **DEPARTMENT OF**

# **HEALTH MANAGEMENT & SYSTEMS SCIENCES**

PhD in Public Health Sciences Specialization in Health Management

The University of Louisville is a state-supported research university located in Louisville, Kentucky. Louisville provides that small town feel with the big city appeal providing a wide assortment of restaurants, music, art, theater, and sports. Louisville is centrally located to some of the region's largest cities such as Cincinnati, Chicago, and Nashville. In addition, our economy is thriving as indicated by the fact that two health care companies based in Louisville are listed as Fortune 500 companies.

### Who we are

The Department of Health Management and Systems Sciences, part of the School of Public Health and Information Sciences, was created to improve the health of the people of the Commonwealth of Kentucky and beyond by developing innovative health care leaders and partnering with the community. Our primary aims are to develop, disseminate, and apply evidence-based knowledge about health policymaking, systems design, and quality health care delivery.

### **Career Opportunities**

Health care occupations and industries are expected to have the fastest employment growth and to add the most jobs between 2014 and 2024, the U.S. Bureau of Labor Statistics reported in December 2015. Our PhD in Public Health Sciences Specialization in Health Management is designed to prepare graduates for careers as researchers and teachers involved in the efforts to protect and promote the health and well-being of communities and populations.

### **Format**

The PhD in Public Health Sciences Specialization in Health Management is a 48 credit hour program designed to be completed in two years, plus the dissertation. Health Management courses are offered on our Health Science Center campus in downtown Louisville. Courses are primarily offered Monday through Thursday after 4pm to accommodate students who work fulltime.

# LOUISVILLE. SCHOOL OF PUBLIC HEALTH

& INFORMATION SCIENCES



### Accreditation

The School of Public Health and Information Sciences is accredited by the Council on Education for Public Health (CEPH).

#### Admission

An applicant who has satisfactorily completed a Master of Public Health degree, or another relevant master's degree or a health professional degree is considered for admission to the Health Management specialization. Applicants holding an advanced degree are evaluated on the basis of appropriateness of previous coursework, training and experience. The graduate work by such applicants is reviewed on a case-by-case basis, and the applicant, if admitted, may be required to take additional course work prior to completing the minimum 48 credit hours required for postmaster's doctoral work.

### **Minimum Requirements**

- Official transcript for each degree
- Official GRE score
  - If applicant has no degree from accredited US institution, then only the GRE is acceptable
  - Requirement is waived if applicant has doctoral degree.
- Three (3) letters of recommendation from individuals who have direct knowledge and experience with the applicant's academic or professional work experience.
- Official TOEFL score if applicant's native language is not English and applicant has no degree from accredited U.S. institution.
- Foreign credential evaluation for each degree not from an accredited U.S. institution.

## Tuition

Tuition for a full-time student in the PhD in Public Health Sciences Specialization in Health Management is approximately:

- \$11,664 per year for a Kentucky resident or a resident of any of the 7 states that border Kentucky
- \$24,274 per year for a non-resident of Kentucky.

Required Coursework		
	Core Areas (33 credit hours minimum)	
Area	Course Title  Introduction to Health Services Research: This course is designed to introduce students to research that addresses the inherent tradeoffs	Credit Hours
Health Management Foundations (9 credit hours)	among cost, quality, and access to care as it pertains to the effectiveness, efficiency, and equity of public health and personal health services.	3
	Health Policy Research: This course focuses on the legal basis of and the processes of development, implementation and analysis of health policy as it is carried out in the context of the United States health care system.	3
	Population Health & Health Disparities: This course examines the social determinants of health within the context of population health, including conceptual models and policy approaches that are designed to lessen the negative impact of health disparities that are attributed to these factors, and to improve the health-related quality of life (HRQL) assessments among community residents and their families, peers and social groups.	3
Theoretical Foundations (3 credit hours)	Organization Theory in HSR	3
	Special Topics in Entrepreneurship: Economic Theory of the Firm	3
Health Management Research Methods (18 credit hours)	Qualitative Field Research Methods: Provides opportunities to design and critique field studies in educational and social settings and to practice techniques used to collect and analyze qualitative data.	3
	Biostatistical Methods I: A mathematically sophisticated presentation of statistical principles and methods. Topics include exploratory data analysis, graphical methods, point and interval estimation, hypothesis testing, and categorical data analysis Matrix algebra is required.	3
	Advanced Topics In Biostatistics: A treatment of one or more topics in advanced biostatistics not usually covered in a regularly offered course.	3
	Biostatistical Methods II: This course offers a mathematically sophisticated introduction to simple regression models and analysis of variance.	3
	Health Services Research Methods I: The course will focus on the examination and fitting multiple regression models. A portion of the course will be devoted to the examination of residuals, and issues of dealing with heteroscedasticity and clustering.	3
	Health Services Research Methods II: The course will introduce students to the application of econometric techniques to handling empirical problems in health services and policy research with emphasis of identification and causal inference.	3
	Economic Evaluation in Healthcare	3
Seminars (3 credit hours)	HMSS PhD Seminar 1: Doctoral students engage with faculty to critically review significant literature related to major factors impacting the context of public health management in developing an in-depth research paper.	1
	HMSS PhD Seminar 2: Doctoral students engage with faculty to critically review significant literature related to major factors impacting the context of public health management in developing an in-depth research paper.	1
	HMSS PhD Seminar 3: Doctoral students engage with faculty to critically review significant literature related to major factors impacting the context of public health management in developing an in-depth research paper.	1
	Emphasis Area Examples	
Organizational Systems	Course Title	Credit Hours
	Introduction to Health Systems: Designed to explore and analyze health systems using ecological principals.	3
	Systems Thinking and Dynamic Modeling in Public Health: The course will give students basic skills for applying the tools of system dynamics for a broad range of public health problems that involve biological, environmental, social and behavioral factors.	3
	Governance and Management of Healthcare Organizations: Students will read and discuss literature that seeks to consider organiza-	
	tions and leadership from a complexity perspective.	3
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