

# GSPH Course Descriptions

October 10, 2018

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**FTDR 3999 FULL-TIME DISSERTATION RESEARCH Credit(s): 00.0**

DOCTORAL CANDIDATES WHO HAVE COMPLETED ALL CREDIT REQUIREMENTS FOR THE DEGREE, INCLUDING ANY MINIMUM DISSERTATION REQUIREMENTS, AND ARE WORKING FULL-TIME ON THEIR DISSERTATIONS MAY REGISTER FOR THIS COURSE. WHILE THE COURSE CARRIES NO CREDITS AND NO GRADE, STUDENTS WHO ENROLL IN "FULL-TIME DISSERTATION STUDY" ARE CONSIDERED BY THE UNIVERSITY TO HAVE FULL-TIME REGISTRATION STATUS.

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**HPM 2001 HLTH POLC & MGT IN PUBLIC HLTH Credit(s): 03.0**

THE CORE COURSE IS DESIGNED TO GIVE STUDENTS AN OVERVIEW OF THE DISCIPLINES AND COMPETENCIES ASSOCIATED WITH THE FIELD OF HEALTH POLICY AND HEALTH CARE MANAGEMENT. UNDERSTANDING THE ROLE OF LEADERSHIP IN A PUBLIC HEALTH ENVIRONMENT IS A UNIFYING THEME IN THIS COURSE.

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**HPM 2003 POLC DEC MKG PH EMRGY/BIOTERSM Credit(s): 03.0**

THIS THREE-CREDIT GRADUATE COURSE FOCUSES ON PUBLIC HEALTH EMERGENCIES AND BIOTERRORISM AT THE PHASES OF PREPAREDNESS, MITIGATION, AND RESPONSE. THE COURSE EMPHASIZES NOT ONLY BIOLOGICAL AGENTS BUT ALSO ALL HAZARDS WITH PUBLIC HEALTH CONSEQUENCES. IT ADDRESSES THE INTERFACES OF POLICIES AND LAWS IN THE CONTEXT OF FEDERALISM, WHICH REQUIRES INTERACTION AMONG THE FEDERAL, STATE, AND LOCAL LEVELS OF GOVERNMENT. THE COURSE CONSIDERS THE CRITICAL ROLE OF PRIVATE-SECTOR HEALTH CARE PROVIDERS IN ADDITION TO GOVERNMENTAL DECISION MAKERS. STUDENTS EXPLORE PAST EMERGENCIES THROUGH HISTORY AND CASE STUDIES, CONDUCT DIRECTED RESEARCH ON A CHOSEN POLICY ISSUE, AND EXPERIENCE DECISION-MAKING IN THE CONTEXT OF A SIMULATED EMERGENCY BY PLAYING A CHOSEN AND PREVIOUSLY RESEARCHED OFFICIAL ROLE. TEACHING METHODS INCLUDE LECTURES, CASE STUDIES, POLICY RESEARCH AND WRITING, INTERDISCIPLINARY CLASSROOM DISCUSSION, AND SIMULATED DECISION-MAKING.

(The prerequisite is to be currently enrolled in a graduate or professional degree program, but this may be waived by the Course Director.)

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**HPM 2004 COMP GLBL HLTH SYSTEMS POLICY Credit(s): 02.0**

This two credit course will focus on an understanding of the structures and processes of the health system and the health policies at its foundation from the perspective of "true access" as defined by application of the of the eight-factor model of Lovett-Scott and Prather. The complexity of health systems will be manifest by comparative studies of national health systems ranging from low-to high income nations. A secondary emphasis will be placed on a retrospective analysis of the UN Millennium Development Goals and a prospective view of the UN's post-2015 Development Goals as an aspirational framework for advocating community development and sustainability with implications for global health policy.

[New course for spring 2016, term 2164.]

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**HPM 2005 CURRENT ISSUES IN HEALTH LAW Credit(s): 01.0**

Current Issues in Health Law is an interdisciplinary course for students of public health and law. In this course, students will be introduced to cutting-edge issues in public health law, health law and policy. The course focuses on developments in health care and public health, particularly as they affect medically underserved populations, with implications for lawyers and public health practitioners as policy makers. It will also introduce students to the variety of settings in which lawyers and public health practitioners are involved in law. Classes will be taught by leading experts in the field as well as student led discussions.

[New course for fall 2016, term 2171.]

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**HPM 2010 ORGANIZATION STUDIES: THEORY AND APPLICATIONS TO HEALTH CARE SYSTEMS Credit(s): 03.0**

FOCUS ON THE UNDERSTANDING AND APPLICATION OF FUNDAMENTAL CONCEPTS, PRINCIPLES AND MODELS ASSOCIATED WITH ORGANIZATION THEORY WITHIN HEALTHCARE, REHABILITATION, AND LONG-TERM CARE. CONTENT WILL ENCOMPASS THE TRADITIONAL FOCI OF ORGANIZATION THEORY, E.G., STRUCTURE AND FUNCTIONS, AUTHORITY RELATIONSHIPS, COORDINATION AND CONTROL PROCESSES, AS WELL AS CONSTRUCTS ASSOCIATED WITH RELATED DISCIPLINES OF ORGANIZATION BEHAVIOR E.G. MOTIVATION THEORY, LEADERSHIP, ETC. EMPAHSIS ON REALWORLD APPLICATIONS. ORGANIZATION DESIGN IS DISCUSSED IN CONTEMPORARY ORGANIZATION STRUCTURES AND PROCESSES.

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**HPM 2012 FINCL MGT FDS HEALTH CARE & PH****Credit(s): 03.0**

INTRODUCTION TO SELECTED FINANCE AND ACCOUNTING TOPICS OF HEALTH CARE PROFESSIONAL, SUPERVISOR & DEPARTMENT HEAD. NO PREVIOUS KNOWLEDGE OF ACCOUNTING OR FINANCIAL MANAGEMENT REQUIRED. FIRST HALF EMPHASIS ON BASIC FINANCIAL ACCOUNTING CONCEPTS TO PROVIDE ORGANIZATION-LEVEL UNDERSTANDING LANGUAGE, CONCEPTS, PROCESSES & FUNCTIONS OF FINANCIAL MANAGEMENT. SECOND HALF EMPHASIZES MANAGERIAL ACCOUNTING PRINCIPLES AND TECHNIQUES INCLUDING COST ACCOUNTING AND BUDGETING. FOCUS SHIFTS TO DEPARTMENTAL LEVEL FINANCIAL MANAGEMENT AND ROLE OF SUPERVISOR PROCESS INCLUDING BUDGET DEVELOPMENT AND CONTROL.

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**HPM 2014 APPLCS/ISS FINCL MGT HC INSTN****Credit(s): 03.0**

THIS CURRICULUM IS DESIGNED TO EXPAND ON THE CONCEPTS PRESENTED IN THE FINANCIAL MANAGEMENT FOUNDATIONS FOR HEALTH CARE AND PUBLIC HEALTH COURSE (HPM 2012). THE FOCUS OF THE INSTRUCTION WILL BE LESS BOOK-LEARNING AND, INSTEAD, PRIMARILY BE COMPRISED OF REAL-LIFE, PRACTICAL SITUATIONS FACED IN TODAY'S HEALTHCARE INDUSTRY. TEACHINGS WILL BE A MIX OF GUEST SPEAKERS FROM THE LOCAL AREA'S LEADERS AND THE INSTRUCTOR'S EXPERIENCES. THE FIRST PART OF THE SEMESTER WILL REVOLVE AROUND UNDERSTANDING WHAT'S BEHIND THE DATA CONTAINED IN AN ORGANIZATION'S FINANCIAL STATEMENTS. THE COURSE WILL ALSO COVER ALTERNATIVE REVENUE OPPORTUNITIES, SUCH AS PHILANTHROPIC INITIATIVES AND INVESTMENT EARNINGS. ONCE THESE CONCEPTS HAVE BEEN PRESENTED, THE INSTRUCTION WILL CHANGE ITS FOCUS TO MANAGING WITHIN A HEALTHCARE ORGANIZATION CONCENTRATING ON BUDGETING, DETERMINING HOW/WHAT PROGRAMS TO INVEST IN OR IMPLEMENT, AND BALANCE SHEET MANAGEMENT.

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**HPM 2017 QUANT MTH-DEC TECH/OPRTNS MGT HC****Credit(s): 03.0**

THIS COURSE GIVES AN INTRODUCTION TO DECISION TECHNOLOGIES AND TO THE ART OF SUCCESSFULLY USING THEM IN PRACTICE. PART I: FOCUS ON METHODOLOGIES FOR OPTIMIZING AND FOR PREDICTING THE CONSEQUENCES OF DECISIONS. HEALTH CARE APPLICATIONS ARE CONSIDERED: RESOURCE ALLOCATION, SCHEDULING, PROJECT MANAGEMENT. PART II: FOCUS ON OPERATIONS MANAGEMENT ISSUES IN HEALTH CARE. TOPICS INCLUDE: FORECASTING, INVENTORY MGT AND QUALITY CONTROL.

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**HPM 2025 HPM PRACTICUM****Credit(s): 01.0 to 03.0**

THE STUDENT MAY REGISTER FOR THE HPM PRACTICUM UPON APPROVAL OF THE FACULTY OF THE DEPARTMENT OF HEALTH POLICY AND MANAGEMENT. THE HPM PRACTICUM IS DESIGNED TO PROVIDE THE STUDENT ALREADY EMPLOYED IN A HEALTHCARE ORGANIZATION WITH EXPOSURE TO EXECUTIVE MANAGEMENT, LEADERSHIP, AND POLICY-MAKING PROCESSES AND ACTIVITIES. TYPICALLY, THE STUDENT WILL COMPLETE THE PRACTICUM AT THEIR EMPLOYMENT ORGANIZATION.

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**HPM 2028 MICROECONOMICS APPLD TO HEALTH****Credit(s): 03.0**

THIS COURSE IS AN INTRODUCTION TO MICROECONOMICS. THE STUDY OF RESOURCE ALLOCATION WITH PARTICULAR EMPHASIS ON THE ROLE OF MARKETS. THE COURSE FOCUSES ON THE COMPETITIVE MODEL. EXAMPLES OF THE USE OF ECONOMIC CONCEPTS ARE DRAWN PRIMARILY FROM THE HEALTH AND MEDICAL CARE DELIVERY SYSTEMS.

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**HPM 2029 HEALTH MGT INFORMATION SYSTEMS****Credit(s): 02.0**

THE PURPOSE OF THIS COURSE IS TO PROVIDE FUTURE HEALTH CARE MANAGERS AND POLICY-MAKERS A CONCEPTUAL FRAMEWORK FOR UNDERSTANDING AND MANAGING AN INTEGRATED HEALTH MANAGEMENT INFORMATION SYSTEM (HMIS). PRIMARY ATTENTION WILL BE GIVEN TO THE OVERALL ARCHITECTURE OF HMIS AND ISSUES RELATED TO HEALTH INFORMATION MANAGEMENT. THE COURSE FOCUSES ON THE HEALTH CARE MANAGER'S ROLE IN THE DESIGN, IMPLEMENTATION AND CONTROL OF AN EFFECTIVE HMIS. INSTRUCTIONAL METHODS INCLUDE LECTURES BY REGULAR FACULTY AND GUEST RESOURCES, CLASS DISCUSSION, CASE ANALYSES, AND AN APPLIED FIELD SITE STUDY.  
(For HPM students)

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**HPM 2037 ESSAY-HA****Credit(s): 01.0 to 03.0**

THE ESSAY IS DESIGNED TO PROVIDE THE STUDENT WITH AN OPPORTUNITY TO INTEGRATE THE MAJOR COMPONENTS OF THE HEALTH ADMINISTRATION LEARNING EXPERIENCE. THE STUDENT IS EXPECTED TO DEMONSTRATE ANALYTICAL ABILITY AND TECHNICAL PROFICIENCY IN EXPOSITORY WRITING.

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**HPM 2049 HUMN RESORC MGT HC & PH PROF****Credit(s): 02.0**

THIS COURSE ENCOMPASSES BOTH PERSONNEL ADMINISTRATION AND LABOR RELATIONS CONCEPTS, PROCESSES AND ISSUES PRESENTED WITHIN A BROAD HUMAN RESOURCE MANAGEMENT PERSPECTIVE. THE EMPHASIS OF THE COURSE IS ON BEHAVIORAL IMPLICATIONS OF LEGAL-REGULATORY, ECONOMIC, CULTURAL, AND TECHNICAL FORCES AFFECTING THE MANAGEMENT OF PEOPLE IN HEALTH CARE ORGANIZATIONS VIEWED AS AN OPEN SYSTEM. PERSPECTIVES OF ORGANIZATION THEORY AND BEHAVIOR, PERSONNEL AND LABOR LAW WILL BE APPLIED TO THE ANALYSIS OF HUMAN RESOURCE/LABOR RELATIONS PROBLEMS AND EFFECTIVE MANAGEMENT AND SUPERVISORY PRACTICE.  
(MHA students and others)

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**HPM 2050 HEALTH SYMS ENGINEERING SEMINR****Credit(s): 01.0**

THE SEMINAR SUPPLEMENTS THE EDUCATION PROVIDED BY HEALTH POLICY AND MANAGEMENT AND INDUSTRIAL ENGINEERING DEPARTMENTS BY CREATING A FORUM FOR EXPOSURE AND DISCUSSION OF HEALTHCARE SYSTEMS ENGINEERING ISSUES. STUDENTS BECOME AWARE AND ARE EXPOSED TO THE ROLE OF VENDORS/CONSULTANTS THAT BRING SOLUTIONS FOR HEALTHCARE DELIVERY PROCESSES. THE STANDARDS FOR PROFESSIONAL LEADERSHIP REQUIRED FOR HEALTH MANAGEMENT ARE REINFORCED.  
[Effective 2017, term 2181, revised credit hours.]

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**HPM 2055 MGNG HLTH PROGS & PROJECTS****Credit(s): 02.0**

THE PURPOSE OF THIS COURSE IS TO PREPARE STUDENTS TO EFFECTIVELY MANAGE HEALTH PROGRAMS AND PROJECTS. THE COURSE IS LECTURE/DISCUSSION BASED, BUT WITH AMPLE ANALYTICAL AND WRITTEN ASSIGNMENTS. EXTENSIVE USE IS MADE OF INTERNET RESOURCES. A CONCEPTUAL MODEL OF CORE (STRATEGIZING, DESIGNING, AND LEADING) AND FACILITATIVE (COMMUNICATING, MANAGING QUALITY, MARKETING, AND DECISION-MAKING) MANAGEMENT ACTIVITIES IS USED TO STRUCTURE THE COURSE. THERE ARE NO PREREQUISITES FOR THE COURSE .

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**HPM 2063 THE POLITICS OF HEALTH POLICY****Credit(s): 02.0**

THIS 2-CREDIT COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING OF THE KEY POLITICAL DIMENSIONS OF THE HEALTH POLICY-MAKING PROCESS IN THE UNITED STATES. THE COURSE IS DESIGNED FOR STUDENTS WITH AN INTEREST IN HEALTH POLICY, ALTHOUGH NO PREVIOUS FORMAL TRAINING IN POLICY OR POLITICS IS REQUIRED. WE WILL EXAMINE THE ROLES OF GOVERNMENT INSTITUTIONS AND POLITICAL ACTORS BOTH INSIDE AND OUTSIDE GOVERNMENT IN DEVELOPING AND IMPLEMENTING HEALTH POLICY. PAST AND PRESENT HEALTH CARE POLICY DEBATES WILL BE USED TO ILLUSTRATE THE CONCEPTS AND THEORIES DISCUSSED IN CLASS. STUDENTS WILL ACQUIRE AN UNDERSTANDING OF THE POLITICAL PROCESSES IN WHICH HEALTH POLICIES ARE CONSIDERED, AND GAIN PRACTICAL EXPERIENCE EXECUTING POLITICAL STRATEGIES IN THE CONTEXT OF HEALTH POLICY CAMPAIGNS.

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**HPM 2064 HEALTH POLICY ANALYSIS****Credit(s): 02.0**

THE AIMS OF THIS COURSE ARE TO PROVIDE STUDENTS WITH 1) AN OVERVIEW OF THE U.S. HEALTH CARE DELIVERY SYSTEM AND CURRENT POLICY CHALLENGES, AND 2) AN INTRODUCTION TO POLICY ANALYSIS TOOLS USEFUL FOR DEFINING POLICY PROBLEMS, ASSESSING ALTERNATIVE SOLUTIONS AND EXAMINING EFFECTS OF HEALTH POLICIES. THE FRAMEWORK USED FOR ACHIEVING THESE AIMS WILL BE TO CONSIDER HEALTH POLICY FROM THE PERSPECTIVE OF THE MAIN STAKEHOLDERS IN THE SYSTEM: PATIENTS, PROVIDERS, HEALTH PLANS, SUPPLIERS (E.G. PHARMACEUTICAL AND MANUFACTURING INDUSTRY), AND PAYERS. COURSE MATERIALS INCLUDE A POLICY ANALYSIS TEXT BOOK, PEER-REVIEWED ARTICLES, AND CASE STUDIES OF CONTEMPORARY HEALTH POLICY ISSUES. NO PREREQUISITES ARE REQUIRED FOR THIS COURSE.  
(For master students.)

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**HPM 2075 NAV PHYSICIAN-ADMI RELATNSHIP****Credit(s): 02.0**

This course is designed to provide the student with an introduction to the role of physician administrators in the emerging healthcare matrix based organizational model. Physicians, by virtue of their training and clinical experience, bring a background and orientation to administrative roles that differs significantly from the traditional orientation of the non-physician administrator. This often results in a clash of cultures which if not properly managed can negatively impact organizational efficiency. It is imperative that non-physician administrators develop the skill sets that will facilitate the merging of the physician's primarily clinical culture with the non-physician administrator's more traditional business and operational culture in support of an organization's overall mission. The course will emphasize the physician administrator's approach to C-Suite management and provide the student with exposure to and practical knowledge of the administrative and operational issues which commonly engage physician administrators. This course should prepare the student to function within a C-Suite environment that is led or populated by physicians in either a combined clinical and administrative or purely administrative role. Additionally, the student will gain exposure to the myriad of regulatory, quality/safety and patient centric issues for which physician administrators commonly assume overall responsibility. Commonly, while these issues are championed by the physician administrator, the day to day responsibility for the design and implementation of focused resolution strategies becomes the responsibility of the non-physician administrator. This mandates the development of the ability to prioritize, for strategic planning purposes, and to have sufficient competency with the identification and analysis of relevant metrics and the ability to utilize this type of data to formulate effective action plans. This course focuses upon this skill set and is structured to afford the student the opportunity to develop project specific strategies based upon operational metrics for clinical initiatives that impact operational efficiency and excellence. The student will also be provided the opportunity to develop resolution strategies based upon operational metrics for clinical initiatives that impact operational efficiency and excellence.

[New course for spring 2018, term 2184.]

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**HPM 2080 AN INTRODUCTION TO PATIENT SAFETY****Credit(s): 03.0**

THIS COURSE IS DESIGNED AS AN INTRODUCTION TO PATIENT SAFETY IN THE U.S. HEALTHCARE SYSTEM. NO PREVIOUS KNOWLEDGE OF SAFETY IS REQUIRED. EMPHASIS EARLY IN THE COURSE WILL BE PLACED ON UNDERSTANDING THE HEALTHCARE SYSTEM AND ERRORS THAT EXIST. THEN THE COURSE WILL EMPHASIZE REGULATIONS IN DIFFERENT HEALTHCARE SETTINGS RELATED TO PATIENT SAFETY. FINALLY, SPECIFIC TOOLS THAT ARE USED IN PATIENT SAFETY SETTINGS WILL BE DESCRIBED.

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**HPM 2081 PUBLIC HEALTH AGENCY MGMNT****Credit(s): 03.0**

THE COURSE PUBLIC HEALTH AGENCY MANAGEMENT FOCUSES ON THE AREAS OF KNOWLEDGE AND SKILLS NECESSARY TO MANAGE PUBLIC HEALTH AGENCIES. THE COURSE COVERS TOPICS SUCH AS CORE FUNCTIONS AND PUBLIC HEALTH PRACTICE, LEGAL BASIS FOR PUBLIC HEALTH, PUBLIC HEALTH INTERVENTIONS, CONFIGURING HEALTH DEPARTMENTS, FUNDAMENTALS OF MANAGEMENT THEORY AND APPLICATION, AGENCY BUDGETING AND PUBLIC HEALTH CONSTITUENCIES. CLASSES INCLUDE A LECTURE AND CLASS DISCUSSION OF A CASE STUDY OR RELATED QUESTION. THE CLASS ENDS WITH A FINAL GROUP REPORT AND GROUP PRESENTATION OF A CLASS PROJECT RELATIVE TO THE DEVELOPMENT OF A COUNTY HEALTH DEPARTMENT.

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**HPM 2105 INTRO TO US HC DELIVERY SYST 1****Credit(s): 01.0**

INTRODUCTION TO THE US HEALTHCARE DELIVERY SYSTEM 1 IS A REQUIRED COURSE FOR FIRST YEAR HPM MHA AND MPH STUDENTS. THIS COURSE IS THE FIRST OF A TWO PART SEQUENCE THAT WILL: PROVIDE AN HISTORIC AND CURRENT OVERVIEW OF BASIC ELEMENTS OF THE US HEALTHCARE DELIVERY SYSTEM, REVIEW HPM PRACTICAL EXPERIENCES IN THE CONTEXT OF PROFESSIONAL AND LEADERSHIP COMPETENCIES, AND INCLUDE CURRENT PERSPECTIVES PROVIDED BY SELECTED GUEST HEALTHCARE EXECUTIVES.

Note: Effective 2016, Term 2171: Revised title, description, credits, grading.

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**HPM 2106 HLTH SYSM LDRS & PROF DVLP 2****Credit(s): 01.0**

THIS IS A REQUIRED SPRING COURSE FOR THE FIRST YEAR MHA THAT COVERS ADDITIONAL ELEMENTS OF US HEALTHCARE SYSTEM. REVIEW IN GREAT DEPTH OF THE MANAGEMENT RESIDENCY PROCESS, EXPECTATIONS AND OPPORTUNITIES CONTINUES IN THIS COURSE.

Note: Effective 2015, term 2154, title and course description change. (Previous title: Leadership, Professionalism & Career Development.)

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**HPM 2108 LDRS, PROFISM AND CAREER DVLP Credit(s): 01.0**

THIS IS A REQUIRED COURSE FOR MPH AND MHA STUDENTS RELATED TO THE FUNDAMENTALS OF THREE AREAS: LEADERSHIP, WHICH FOCUSES ON TEAMWORK, MANAGING AND LEADING PEOPLE, AND COMMUNICATION BEST PRACTICES. THE SECOND, PROFESSIONALISM, FOCUSES PRIMARILY ON PRINCIPLES OF ETIQUETTE, PROFESSIONAL DRESS, COMMUNICATION BEST PRACTICES AND SETTING ONESELF APART IN THE PROFESSIONAL SETTING. FINALLY, CAREER DEVELOPMENT PRINCIPLES ARE COVERED AND THIS TOUCHES ON CAREER PATHS, DECISION MAKING FOR CAREER SUCCESS, AND OPTIMIZING VARIOUS WORK AND PROFESSIONAL ORGANIZATION EXPERIENCES FOR PROFESSIONAL GROWTH. THE COURSE IS PRIMARILY INTERACTIVE IN LECTURES AND ALSO REQUIRES THE STUDENTS TO KEEP A JOURNAL FOR SELF REFLECTION ON THE TOPICS. A DINNER ETIQUETTE CONSULTANT JOINS THE CLASS AS WELL AS AN EXECUTIVE FROM THE FIELD TO GIVE THEIR PERSPECTIVES ON THE THREE MAIN PRINCIPLES. ACCOUNTABILITY, COMMUNICATION, LEADERSHIP, SELF DEVELOPMENT, AND PROFESSIONALISM ARE THE COMPETENCIES COVERED IN THE COURSE.

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**HPM 2115 HPM MANAGEMENT RESIDENCY Credit(s): 01.0**

THE COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH AN EDUCATIONAL EXPERIENCE IN THE STUDENT'S FIELD OF INTEREST. IT IS A FIELD EXPERIENCE PERFORMED UNDER THE SUPERVISION OF A PRECEPTOR (I.E., A RESPECTED PROFESSIONAL MANAGER IN THE HEALTH FIELD). POTENTIAL SITES INCLUDE A BROAD RANGE OF ORGANIZATIONS SUCH AS HOSPITALS, MULTI-UNIT SYSTEMS, HMO'S, CONSULTING FIRMS, INSURANCE ORGANIZATIONS, HEALTH POLICY AND PLANNING AGENCIES, AND HEALTH DIVISIONS OF CORPORATIONS.

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**HPM 2123 ADV TOPCS DEC CST-EFFV ANAL HC Credit(s): 03.0**

This is an intermediate/advanced level course on using simulation models in health decision sciences and cost-effectiveness analyses. Simulation models have been used widely in healthcare to address important policy questions, such as cancer screening recommendations and efficient organ allocations among transplant patients. The emphasis of this course is on applications and methods that are particularly applicable to issues of medical decision making and public health. Students will learn how to choose a model that best fits their applications. They will learn how to construct, parameterize, and analyze complex decision models, including calibration and validation. In addition, the student will be introduced to state-of-the-art methods in uncertainty analysis, value-of-information analysis, and diagnostic test evaluations. Although advanced topics will be discussed, the focus will not be on programming and mathematical notations will be kept to a minimum. Some familiarity with programming and linear algebra are helpful, but not required. Class sessions will be a combination of lecture format, case discussion, and computer labs with expectations of class participation. It is expected that all students will keep up with the required readings and homework assignments.

[New course for spring 2019, term 2194]

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**HPM 2125 HEALTH ECONOMICS Credit(s): 03.0**

EXAMINES THE MARKET FOR MEDICAL SERVICES, WITH THE VIEW THAT THE SPECIAL NATURE OF THE MARKET DEMANDS CAREFUL ECONOMIC ANALYSIS RATHER THAN THE ABANDONMENT OF ECONOMIC PRINCIPLES. TOPICS INCLUDE THE DEMAND FOR HEALTH AND THE DERIVED DEMAND FOR HEALTH/MEDICAL CARE AND INSURANCE, THE SUPPLY OF MEDICAL SERVICES (PHYSICIAN AND HOSPITAL IN PARTICULAR), THE ROLES OF UNCERTAINTY AND INFORMATION, AND THE PROBLEMS OF PRICING, PRODUCTION, AND DISTRIBUTION OF HEALTH AND MEDICAL SERVICES.

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**HPM 2130 HEALTH LAW AND ETHICS Credit(s): 02.0**

THE PURPOSE OF THIS COURSE IS TO INTRODUCE STUDENTS TO THE LEGAL AND ETHICAL ISSUES WHICH IMPACT THE ADMINISTRATION AND DELIVERY OF HEALTH SERVICES. THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH THE PRACTICAL KNOWLEDGE NEEDED TO IDENTIFY LEGAL ISSUES INHERENT IN HEALTH CARE AND PUBLIC HEALTH ADMINISTRATION AND TO UNDERSTAND THE LEGAL RAMIFICATIONS OF ADMINISTRATIVE AND MANAGEMENT DECISIONS. THROUGH LECTURE AND CLASS DISCUSSION FOUR MAIN SUBJECT AREAS ARE PRESENTED: AN INTRODUCTION TO THE LEGAL SYSTEM, LEGAL ISSUES IN MANAGING HEALTH CARE ORGANIZATIONS, REGULATING QUALITY OF CARE AND PUBLIC HEALTH LEGAL AUTHORITY. SPECIFIC COURSE TOPICS INCLUDE: SOURCES OF LAW, THE COURT SYSTEM AND LEGAL PROCEDURES, PROFESSIONAL AND INSTITUTIONAL LIABILITY, GOVERNMENTAL REGULATORY METHODS, ANTITRUST LAW, CORPORATE COMPLIANCE PROGRAMS, EMERGENCY CARE, AND ISSUES CONCERNING INFORMED CONSENT, CREDENTIALING OF MEDICAL PROFESSIONALS, CONFIDENTIALITY OF HEALTH INFORMATION, TERMINATION OF CARE, FAMILY PLANNING, AND PUBLIC HEALTH LAW.

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**HPM 2131 PUBLIC HEALTH LAW AND ETHICS****Credit(s): 02.0**

THE PURPOSE OF THIS COURSE IS TO INTRODUCE STUDENTS TO PUBLIC HEALTH LAW AND POLICY AND THE LEGAL ENVIRONMENT IN WHICH PUBLIC HEALTH IS PRACTICED. THE COURSE IS DESIGNED TO FAMILIARIZE STUDENTS WITH THE PROCESS BY WHICH LAWS ARE CREATED, INTERPRETED AND ENFORCED, AND TO INTRODUCE THEM TO THE SUBSTANTIVE AREAS OF LAW MOST RELEVANT TO THE FIELD OF PUBLIC HEALTH. THROUGH LECTURE, CASE ANALYSIS, CLASS DISCUSSION AND STUDENT PRESENTATIONS, FIVE MAIN CONTENT AREAS WILL BE PRESENTED 1) THE LEGAL BASIS FOR PUBLIC HEALTH PRACTICE; 2) THE LAW AND CORE PUBLIC HEALTH FUNCTIONS; 3) THE LAW AND CONTROLLING AND PREVENTING DISEASES, INJURIES, AND DISABILITIES; 4) PUBLIC HEALTH EMERGENCY LAW; AND 5) THE ETHICAL ISSUES IMPACTING PUBLIC HEALTH PRACTICE.

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**HPM 2133 LAW IN PUBLIC HEALTH PRACTICE****Credit(s): 02.0**

LOCAL HEALTH DEPARTMENTS PLAY INCREASINGLY PIVOTAL ROLES IN THE PROVISION OF COMMUNITY PUBLIC HEALTH SERVICES; HOWEVER, THEY ALSO ARE EXPERIENCING DIMINISHED FUNDING AND REDUCED WORKFORCES. THIS COURSE IS THE FIRST OF ITS KIND OFFERED AT THE UNIVERSITY OF PITTSBURGH: A PRACTICE-BASED, COLLABORATIVE LEARNING EXPERIENCE FOR PUBLIC HEALTH AND LAW STUDENTS. TOGETHER, STUDENTS WILL DEVELOP INTERVENTIONS TO ADDRESS AN ISSUE IDENTIFIED BY THE ALLEGHENY COUNTY HEALTH DEPARTMENT AS REQUIRING THE EXPERTISE OF BOTH COHORTS.

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**HPM 2134 INTRO TO HC COMPLIANCE****Credit(s): 02.0**

THIS COURSE WILL PROVIDE AN OVERVIEW OF THE LEGAL LANDSCAPE REGARDING HEALTH CARE COMPLIANCE AND DEMONSTRATE THE IMPORTANCE OF COMPLIANCE FOR HEALTH CARE ORGANIZATIONS. AS ONE OF THE MOST HIGHLY REGULATED INDUSTRIES IN THE UNITED STATES, HEALTH CARE ENTITIES ARE REQUIRED TO COMPLY WITH NUMEROUS STATUTES AND REGULATIONS AT THE FEDERAL AND STATE LEVEL, WITH HARSH PENALTIES FOR NON-COMPLIANCE. THUS, INDIVIDUALS INVOLVED IN THE ADMINISTRATION AND DELIVERY OF HEALTH CARE MUST BE WELL-VERSED IN THESE LAWS AND REGULATIONS, AS WELL AS THE STRATEGIES HEALTH CARE ENTITIES EMPLOY TO ADDRESS PARTICULAR COMPLIANCE CONCERNS. SPECIFIC TOPICS INCLUDE FRAUD AND ABUSE; DATA PRIVACY AND SECURITY; THE ELEMENTS OF EFFECTIVE COMPLIANCE PROGRAMS; AUDITS, INVESTIGATIONS, AND SELF-DISCLOSURES; AND SIGNIFICANT COMPLIANCE RISK AREAS FOR VARIOUS HEALTH CARE ENTITIES

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**HPM 2135 HEALTH POLICY****Credit(s): 02.0**

AN INTRODUCTION TO FEDERAL AND STATE LEGISLATIVE, ADMINISTRATIVE, AND BUDGET SYSTEMS AS THEY AFFECT HEALTH SERVICES. THE COURSE FOCUSES ON THE STUDY OF SELECTED HEALTH POLICIES, CONSIDERING THEM IN THEIR HISTORICAL PERSPECTIVE, PRESENT STATUS, AND FUTURE DIRECTION WITHIN THEIR SOCIAL, ECONOMIC, AND POLITICAL CONTEXTS.

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**HPM 2141 MANAGERIAL EPIDEMIOLOGY****Credit(s): 03.0**

EPIDEMIOLOGY IS CONCERNED WITH THE MEASUREMENT OF THE HEALTH OF POPULATIONS AND UNDERSTANDING THE DETERMINANTS OF THAT HEALTH. IT IS ONE OF THE FUNDAMENTAL DISCIPLINES OF PUBLIC HEALTH, AND PROVIDES THE BASIS FOR MUCH OF WHAT WE KNOW ABOUT HEALTH AND DISEASE. AS A REQUIRED MHA COURSE MANAGERIAL EPIDEMIOLOGY TAKES A BROAD VIEW OF THE DEFINITION OF "POPULATION" AND WILL INCLUDE THE STUDY OF MULTIPLE POPULATIONS OF INTEREST, SUCH AS THE POPULATION: CARED FOR IN THE SERVICE AREA OF A HOSPITAL, COVERED BY A PARTICULAR INSURANCE CARRIER, AND LARGER POPULATIONS SUCH AS A STATE, NATION AND THE WORLD. THE COURSE PROVIDES STUDENTS WITH THE KNOWLEDGE AND SKILLS REQUIRED TO ANALYZE, UNDERSTAND AND INTERPRET THE DATA PRODUCED BY HEALTH CARE ORGANIZATIONS AND IDENTIFY THE MANAGERIAL IMPLICATIONS OF THE DATA BY SUMMARIZING DATA APPROPRIATELY, UNDERSTAND THE CHARACTERISTICS OF MECHANISMS (METHODOLOGIES) THAT CREATED THE DATA, AND KNOW WHEN DATA OBSERVED IS A COMMON/EXPECTED OR RARE OCCURRENCE.

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**HPM 2143 PH SYMS:LGL, ECON&OPRATNL FDS****Credit(s): 02.0**

THIS IS A REQUIRED COURSE FOR THE MPH DEGREE IN HEALTH POLICY & MANAGEMENT. THE U.S. PUBLIC HEALTH SYSTEM IS COMPRISED OF BOTH PUBLIC-SECTOR AND PRIVATE-SECTOR ENTITIES WHOSE INTERDEPENDENCIES AND COMPETING INTERESTS MUST BE UNDERSTOOD BY THOSE RESPONSIBLE FOR DECISION MAKING AND PROBLEM SOLVING. THIS COURSE ORIENTS STUDENTS TO THE GOVERNMENTAL AND ORGANIZATIONAL SYSTEMS THAT SUPPORT POPULATION HEALTH IN THE UNITED STATES AND, FOR PURPOSES OF COMPARISON AND GLOBAL OPERATIONS, IN OTHER COUNTRIES AS WELL. THE COURSE EXAMINES CRITICAL PUBLIC HEALTH SYSTEM PROBLEMS WITH EMPHASIS ON HEALTH DISPARITIES AND VULNERABLE POPULATIONS. STUDENTS WILL HEAR LECTURES, ENGAGE IN CASE STUDY DISCUSSIONS, AND CONDUCT PROBLEM-BASED LEARNING

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**HPM 2145 MKTG HLTH SVCS STRAT BUS PLANS****Credit(s): 03.0**

ANALYSIS OF CONCEPTS VITAL TO THE CREATION OF SUPERIOR COMPETITIVE MARKETING PLANNING STRATEGIES FOR HEALTH SERVICES PROVIDERS. EMPHASIS, USING PRINCIPLES OF EPIDEMIOLOGY, ON EFFECTIVE MEASUREMENT OF NEED IN SERVICE AREA.

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**HPM 2150 STRATGC MGT HLTH SERVS ORGNS****Credit(s): 03.0**

THIS 'CAPSTONE' COURSE FOR THE PROGRAM STRESSES THE APPLICATION AND INTEGRATION OF KNOWLEDGE AND TECHNIQUES LEARNED IN THE CONTEXT OF SPECIFIC FUNCTIONS AND DISCIPLINES, FOCUSES ON IDENTIFYING STRATEGIC ISSUES IN COMPLEX ENVIRONMENTS, AND FORMULATING REALISTIC RESPONSES. THE EMPHASIS THROUGHOUT IS ON UNDERSTANDING HOW TO IMPROVE THE MAJOR PATTERNS OF RESOURCE ALLOCATION WITHIN THE ORGANIZATION IN ORDER TO CREATE LASTING VALUE.

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**HPM 2205 INDEPENDENT STUDY--HA****Credit(s): 01.0 to 03.0**

STUDENTS WITH MAJOR INTERESTS IN SPECIALIZED AREAS PARTICIPATE IN INDIVIDUAL STUDY, RESEARCH ACTIVITIES, OR ADVANCED READINGS WITH A SPECIFIED FACULTY MEMBER.

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**HPM 2207 QUALITY ASSMT PATIENT SAFETY****Credit(s): 03.0**

EXAMINES THE DEFINITION OF QUALITY IN HEALTHCARE FROM THE PERSPECTIVES OF PROVIDERS, HEALTH PLANS, AND CONSUMERS. HEALTHCARE STANDARDS OF JCAHO, NCQA, AND HEDIS ARE REVIEWED. THE ROLE OF CLINICAL PATHWAYS, OUTCOME MEASURES, TECHNOLOGY AND THE INTERNET ARE EXPLORED AS THEY IMPACT THE QUALITY OF HEALTHCARE. (Effective Fall 2012 (Term 2131)--title change and credit increase. Previous title "Quality Assessment".

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**HPM 2214 FUNDAMNTLS OF HEALTHCRE GVRNC****Credit(s): 02.0**

THE PURPOSE OF THIS COURSE IS TO PROVIDE STUDENTS WITH A SENSE OF THE RESPONSIBILITIES OF GOVERNING BOARDS OF VOLUNTARY HOSPITALS & TO ENABLE THEM TO INTERRELATE WITH THEIR BOARDS APPROPRIATELY & CONSTRUCTIVELY. THE SUBSTANCE OF INTERRELATIONSHIPS BETWEEN GOVERNING BOARDS & MANAGERMENTS IS AS VARIED AS ARE THE FORMS OF THE ORGANIZATIONS TO WHICH THEY RELATE AND THE PERSONALITIES OF THE INDIVIDUALS INVOLVED. SUBJECTIVE PERCEPTIONS ARE OFTEN MORE IMPORTANT THAN FORMAL RULES AND EFFECTIVE GOVERNANCE IS MORE ART THAN SCIENCE. THE COURSE PROVIDES GUIDELINES TO THIS ART.

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**HPM 2215 CMP METHS DEC CST-EFFCTN ANAL****Credit(s): 01.0**

THIS COURSE EXPANDS ON TOPICS INTRODUCED IN COST-EFFECTIVENESS ANALYSIS IN HEALTH CARE AND IN CLINICAL DECISION ANALYSIS AND PROVIDES ADDITIONAL GUIDELINES FOR USING DECISION SCIENCES IN LARGER, MORE COMPLEX APPLICATIONS. TOPICS INCLUDE MODELING CLINICAL PROCESSES AND SYSTEMS; DISCRETE EVENT SIMULATION; ADVANCED SENSITIVITY ANALYSIS AND CONFIDENCE LIMITS; CONTROVERSIES SURROUNDING THE USE OF COST-EFFECTIVENESS ANALYSES; AND MULTIATTRIBUTE UTILITY THEORY.

[Title change effective Fall 2015 (2161). Previous title: Advanced Methods Decision and Cost-Effectiveness Analysis]

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**HPM 2216 HLTH INSURANCE: FINCG HLTH CARE****Credit(s): 03.0**

COURSE EXAMINES THE CONCERNS AND PRACTICES OF PRIVATE HEALTH INSURANCE; THE RELATIONSHIPS AND ACTIVITIES ESTABLISHED BY THE INSURANCE CONTRACTS AMONG THE INSURER, INSURED, AND PROVIDERS; THE INSURING PROCESS OF MARKETING, UNDERWRITING AND PRICING; THE INTERRELATIONSHIPS OF PRIVATE AND PUBLIC INSURANCE PROGRAMS; AND THE VARIED GOVERNMENT ACTIVITIES RELATED TO INSURANCE. THE OBJECTIVE OF THIS COURSE IS TO INCREASE UNDERSTANDING OF THE ACCESS, FUNDING, AND INSURING ISSUES SURROUNDING HEALTH CARE AND TO EXPLORE THE ALTERNATE STRATEGIES BEING PURSUED IN RESPONSE TO ENVIRONMENT.

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**HPM 2217 CLINICAL DECISION ANALYSIS****Credit(s): 01.0**

THIS COURSE PROVIDES AN INTRODUCTION TO THE USE OF DECISION SCIENCES IN HEALTH CARE. IN ADDITION TO DEVELOPING A CONCEPTUAL UNDERSTANDING OF MEDICAL DECISION-MAKING, THE COURSE WILL DEVELOP TECHNICAL SKILLS IN DECISION ANALYSIS INCLUDING THE CREATION/EVALUATION OF DECISION TREES, THE USE OF SENSITIVITY ANALYSIS, AND THE INCORPORATION OF SPECIFIC PATIENT PREFERENCES THROUGH THE USE OF UTILITY ANALYSIS. THE ADVANTAGES AND DISADVANTAGES OF FORMAL MATHEMATICAL MODELS FOR THE ANALYSIS OF CLINICAL CONDITIONS WILL BE PRESENTED. EXAMPLES FROM CURRENT MEDICAL LITERATURE WILL BE DISCUSSED.

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**HPM 2218 INTEGRATED DELIVERY SYST NETWORK****Credit(s): 01.5**

COURSE WILL EXPLORE THREE ASPECTS OF INTEGRATED DELIVERY SYSTEMS: 1) EFFORTS TO DEVELOP VERTICALLY INTEGRATED SERVICES 2) INTEGRATION OF PHYSICIAN AND HOSPITAL SERVICES; AND 3) INTEGRATION OF PAYOR AND PROVIDERS. STUDENTS ENROLLED IN THE COURSE WILL COMPLETE AN IN-DEPTH ANALYSIS OF A SUCCESSFULLY OPERATING INTEGRATED SYSTEM.

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**HPM 2220 COST EFFCTVNS ANAL IN HLTH CARE****Credit(s): 01.0**

PROVIDES AN INTRO TO AND DEVELOPS TECHNICAL SKILLS IN THE ECONOMIC EVALUATION OF HEALTH CARE PROGRAMS. A BRIEF INTRO TO THE ECONOMIC FOUNDATION OF COST EFFECTIVENESS AND COST BENEFIT ANALYSIS IS FOLLOWED BY AN EXAMINATION OF THE METHODOLOGIES INVOLVED IN PERFORMING COST EFFECTIVENESS ANALYSES. TOPICS INCLUDE: DEFINITIONS OF COST AND BENEFITS, EFFECT OF THE PERSPECTIVE OF THE ANALYSIS, CALCULATION OF COST-EFFECTIVENESS RATIOS, PERFORMANCE OF SENSITIVITY ANALYSIS, DISCOUNTING OF COSTS AND BENEFITS, AND DISCUSSIONS OF CURRENT CONTROVERSIES IN CONDUCT OF COST-EFFECTIVENESS ANALYSIS.

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**HPM 2240 CSE STDY ANAL & PRSNTN HC MGT****Credit(s): 03.0**

THE PURPOSE OF THIS COURSE IS TO FOSTER CRUCIAL SKILLS FOR HEALTHCARE LEADERS INCLUDING PERSUASIVE PUBLIC SPEAKING, ASSESSMENT AND ANALYSIS SKILLS OF CASE STUDIES, AS WELL AS THE ABILITY TO WORK IN TEAMS TO SOLVE PROBLEMS. THIS COURSE FOCUSES NOT ONLY ON THE ABILITY TO INCREASE SKILL IN THESE AREAS BUT ALSO DEVELOP PROFESSIONALLY BY PRESENTING IN FRONT OF HEALTHCARE EXECUTIVES AND CONVEYING MESSAGES EFFECTIVELY AND CREATING BUY-IN ON THEIR PROPOSED SOLUTIONS TO PROBLEMS. THE COURSE IS A PREP COURSE FOR THE STUDENTS TO ALSO ATTEND THE UNIVERSITY OF ALABAMA AT BIRMINGHAM CASE COMPETITION IN THE WINTER, A PRESTIGIOUS COMPETITION OF MOST MHA PROGRAMS IN THE COUNTRY. THE COURSE WILL INCLUDE THREE CASES, ANALYZED AND PREPARED BY STUDENTS BROKEN INTO TEAMS, WHERE AFTER PREPARATION AND ANALYSIS WILL PRESENT TO EXECUTIVES IN THE COMMUNITY FOR SCORING AND JUDGING. THE TEAM WILL BE SELECTED BASED ON STUDENT PERFORMANCE FROM THE COURSE.

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**HPM 2275 HPM SPECIAL STUDIES****Credit(s): 01.0 to 03.0**

PROPERLY QUALIFIED STUDENTS MAY UNDERTAKE ADVANCED STUDY UNDER THE GUIDANCE OF AN HPM FACULTY MEMBER(S).  
(Only for HPM students.)

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**HPM 2300 HEALTH LAW FIELD EXPERIENCE****Credit(s): 03.0**

REQUIRED PLACEMENT IN A LAW FIRM OR IN A HOUSE COUNSEL OFFICE IN A HEALTH ORGANIZATION OR SYSTEM, A PUBLIC HEALTH AGENCY, OR A HEALTH POLICY AGENCY.

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**HPM 2700 SEMINAR IN HLTH SYMS LDRS****Credit(s): 01.5**

THIS COURSE WILL CONSIST OF A SERIES OF CASED-BASED EXAMINATIONS OF SPECIFIC MANAGERIAL AND LEADERSHIP PROBLEMS AND DECISIONS THAT HAVE FACED LOCAL HEALTH SYSTEMS LEADERS IN WESTERN PENNSYLVANIA. HEALTH CARE REIMBURSEMENT, LICENSING AND ACCREDITATION, AND MEASURING HEALTH CARE QUALITY HAS BECOME BOTH MORE COMPLICATED AND MORE IMPORTANT AS PRESSURES TO REDUCE EXPENSES AND IMPROVE QUALITY INCREASE. SIMULTANEOUSLY, THERE HAS BEEN A STEADY INCREASE IN THE NUMBER OF CLINICIANS WHO HAVE ASSUMED MANAGERIAL POSITIONS, SUCH AS MEDICAL DIRECTORS OF CLINICAL UNITS, DIRECTORS OF QUALITY MEASUREMENT AND IMPROVEMENT PROGRAMS, UTILIZATION REVIEW AND MANY OTHERS, AS WELL AS THE APPEARANCE OF CLINICIANS IN THE "C-SUITE" OF MANY HOSPITALS AND HEALTH CARE ORGANIZATIONS. UTILIZING ADJUNCT FACULTY WHO ARE CURRENTLY (OR VERY RECENTLY HAVE BEEN) EXECUTIVE LEADERS IN HEALTH SYSTEMS, THIS COURSE WILL EXAMINE A SERIES OF COLLABORATIONS, PROBLEMS, CONFLICTS AND SOLUTIONS THAT DEVELOPED BETWEEN HEALTH SYSTEM ADMINISTRATORS AND CLINICAL LEADERSHIP IN HEALTH CARE ORGANIZATIONS IN THE WESTERN PA AREA. THE MECHANICS OF THE COURSE WILL BE A SERIES OF CASES, BASED ON AN ACTUAL RECENT ISSUE IN HEALTH CARE MANAGEMENT IN WHICH THE SENIOR ADJUNCT FACULTY MEMBER WAS INVOLVED. STUDENTS (INDIVIDUALLY OR IN GROUPS) WILL EVALUATE THE CASE, PREPARE A RESPONSE, AND MAKE A SHORT PRESENTATION OF THEIR "SOLUTION" TO THE PROBLEM TO THE HEALTH SYSTEM EXECUTIVE AND CLINICAL LEADER INVOLVED IN THAT CASE. AN INTERACTIVE DISCUSSION WILL FOLLOW. THIS IS A REQUIRED COURSE FOR STUDENTS IN THE CERTIFICATE IN HEALTH SYSTEMS LEADERSHIP AND MANAGEMENT PROGRAM, AND CAN BE USED AS AN ELECTIVE COURSE BY OTHER STUDENTS WITH PERMISSION OF THE INSTRUCTOR.

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**HPM 2821 CURRENT TOPICS HLTH ECONOMICS****Credit(s): 01.5**

THE PURPOSE OF THE COURSE IS TO PROVIDE STUDENTS WITH EXPOSURE TO CURRENT TOPICS IN THE FIELD OF HEALTH ECONOMICS FROM THE PERSPECTIVE OF ACTIVE RESEARCHERS. A SERIES OF HEALTH ECONOMISTS WILL BE INVITED TO DELIVER SEMINARS ON A CURRENT RESEARCH PROJECT OF THEIR OWN, ADDRESSING THE THEORETICAL BACKGROUND, METHODOLOGY AND PRACTICAL IMPLICATIONS OF THEIR FINDINGS. STUDENTS WILL GAIN A BROAD PERSPECTIVE ON THEIR FIELD OF HEALTH ECONOMICS AND THE RANGE OF TOPICS AND METHODOLOGIES USED BY RESEARCHERS.

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**HPM 2905 QUASI-EXPRML DSGN HSR****Credit(s): 03.0**

THE PURPOSE OF THIS COURSE IS TO PROVIDE STUDENTS WITH THE RESEARCH DESIGN SKILLS DRAWN FROM THE SOCIAL SCIENCE TRADITION AS APPLIED TO THE DELIVERY OF HEALTH SERVICES. THIS COURSE PROVIDES A SURVEY OF RESEARCH DESIGN, SELECTION AND DEVELOPMENT OF RESEARCH QUESTIONS, CONCEPTUALIZATION, MEASUREMENT, AND DATA COLLECTION/ACQUISITION. THE FOCUS IS ON THE APPLICATION OF QUASI-EXPERIMENTAL AND OBSERVATIONAL APPROACHES TO RESEARCH IN APPLIED HEALTH CARE SETTINGS.

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**HPM 3010 SEM ORGNL STDS:HC ORGS/ENVRNS****Credit(s): 03.0**

THIS SEMINAR IS INTENDED TO FACILITATE THE MASTERY OF CONCEPTUAL APPROACHES TO HEALTH CARE ORGANIZATIONS. THROUGH A COMBINATION OF IN-CLASS DISCUSSIONS, SELF-DIRECTED RESEARCH, WRITTEN ANALYSES, AND ORAL PRESENTATIONS, STUDENTS WILL CLARIFY COMPLEX ISSUES AND EVALUATE INNOVATIVE IDEAS. THE COURSE CONTENT WILL INCLUDE SUCH TOPICS AS ORGANIZATIONAL DESIGN, ORGANIZATIONAL BEHAVIOR, AND ORGANIZATIONAL ENVIRONMENTS. THE PRIMARY APPROACH TO ANALYZING ORGANIZATIONAL PHENOMENA WILL BE THE THEORETICAL BASIS OF CAUSALITY, AND THE LEVEL(S) OF ANALYSIS ADDRESSED BY THE THEORY.

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**HPM 3064 HEALTH POLICY ANALYSIS****Credit(s): 03.0**

THIS COURSE IS THE DOCTORAL VERSION OF HPM 2064. DOCTORAL STUDENTS HAVE SUPPLEMENTAL READING AND WRITING REQUIREMENTS FOR THIS COURSE. THE AIMS OF THIS COURSE ARE TO PROVIDE STUDENTS WITH 1) AN OVERVIEW OF THE U.S. HEALTH CARE DELIVERY SYSTEM AND CURRENT POLICY CHALLENGES, AND 2) AN INTRODUCTION TO POLICY ANALYSIS TOOLS USEFUL FOR DEFINING POLICY PROBLEMS, ASSESSING ALTERNATIVE SOLUTIONS AND EXAMINING EFFECTS OF HEALTH POLICIES. THE FRAMEWORK USED FOR ACHIEVING THESE AIMS WILL BE TO CONSIDER HEALTH POLICY FROM THE PERSPECTIVE OF THE MAIN STAKEHOLDERS IN THE SYSTEM: PATIENTS, PROVIDERS, HEALTH PLANS, SUPPLIERS (E.G. PHARMACEUTICAL AND MANUFACTURING INDUSTRY), AND PAYERS. COURSE MATERIALS INCLUDE A POLICY ANALYSIS TEXT BOOK, PEER-REVIEWED ARTICLES, AND CASE STUDIES OF CONTEMPORARY HEALTH POLICY ISSUES. (For HPM doctoral students--Hlth Serv Res and Policy)

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**HPM 3065 ADV HEALTH POLICY ANALYSIS****Credit(s): 02.0**

THIS COURSE IS DESIGNED TO BUILD ON THE PRINCIPLES LEARNED IN HPM 3064: HEALTH POLICY ANALYSIS. IT IS AN ADVANCED COURSE FOR DOCTORAL STUDENTS IN HEALTH POLICY AND OTHER DISCIPLINES WITH A FOCUS ON POLICY EVALUATION, TRANSLATING THE RESULTS OF POLICY RESEARCH FOR POLICY MAKERS, AND CHALLENGES TO IMPLEMENTING HEALTH POLICIES. STUDENTS WILL BE EXPECTED TO EXAMINE FOUR CURRENT HEALTH POLICY TOPICS IN DEPTH BY EXAMINING THE CHALLENGES TO POLICY IMPLEMENTATION, CRITIQUING LARGE-SCALE EVALUATIONS OF HEALTH POLICIES, AND TRACKING THE INFLUENCE OF RESEARCH EVIDENCE ON THE POLICYMAKING PROCESS. THE PERSPECTIVES OF POLICY ANALYSTS, PRACTITIONERS IMPLEMENTING (OR RESPONDING TO) POLICIES, AND POLICY MAKERS WILL BE EXAMINED FOR EACH OF FOUR TOPICS. THE COURSE FORMAT WILL INCLUDE A COMBINATION OF STUDENT-LED DISCUSSIONS AND FORMAL PRESENTATIONS, LECTURES BY THE INSTRUCTOR, AND GUEST LECTURES.

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**HPM 3125 INTERMEDIATE HEALTH ECONOMICS****Credit(s): 03.0**

THE PURPOSE OF THIS COURSE IS TO EXPAND ON INTERMEDIATE MICROECONOMIC PRINCIPLES AND APPLY THESE MORE SOPHISTICATED DYNAMICS TO THE HEALTH CARE MARKET, BOTH DOMESTIC AND INTERNATIONAL. FAMILIARITY WITH INTRODUCTORY ECONOMICS AND CALCULUS IS ASSUMED. COURSE TIME WILL BE SPENT ON A COMBINATION OF LECTURES AND DISCUSSIONS OF SEMINAL PAPERS TO EXPLORE THEORETICAL FRAMEWORKS AND THEIR EMPIRICAL APPLICATIONS.

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**HPM 3135 HEALTH POLICY****Credit(s): 03.0**

THIS COURSE IS THE DOCTORAL VERSION OF HPM 2135. DOCTORAL STUDENTS HAVE SUPPLEMENTAL READING AND WRITING REQUIREMENTS FOR THIS COURSE. THE COURSE ASSISTS STUDENTS IN DEVELOPING OR ENHANCING KEY "PACKETS" OF KNOWLEDGE, SKILLS, AND ABILITIES (WHICH FORM COMPETENCIES) SUFFICIENT TO PERMIT THEM TO BETTER ANALYZE AND CREDIBLY PREDICT RESULTS OF THE HEALTH POLICYMAKING PROCESS IN THE UNITED STATES AND TO LEARN MORE ABOUT HOW TO EXERT INFLUENCE IN THE HEALTH POLICYMAKING PROCESS AS PART OF THEIR PROFESSIONAL ROLES.

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**HPM 3501 SEM HLTH SVCS RES METHODS 1****Credit(s): 03.0**

THIS IS PART ONE OF A TWO-PART COURSE FOR DOCTORAL STUDENTS ENROLLED IN HEALTH SERVICES RESEARCH AND POLICY. OTHER DOCTORAL STUDENTS MAY REGISTER WITH PERMISSION OF THE INSTRUCTOR. THE COURSE WILL COVER TWO RELATED COMPETENCIES: RESEARCH DESIGN AND WRITING SKILLS. THE SECOND PART OF THE COURSE WILL CONTINUE WITH GRANT PROPOSAL WRITING SKILLS. THE PURPOSE OF THE COURSE IS TO COVER BASIC ASPECTS OF RESEARCH DESIGN, SELECTION AND DEVELOPMENT OF RESEARCH QUESTIONS, CONCEPTUALIZATION, MEASUREMENT, AND DATA COLLECTION/ACQUISITION. STUDENTS WILL ALSO GAIN EXPERIENCE CONDUCTING LITERATURE REVIEWS, CRITICALLY REVIEWING MANUSCRIPTS AND GRANT PROPOSALS, AND WRITING RESEARCH QUESTIONS.

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**HPM 3502 SEM HEALTH SVCS RES METHODS 2****Credit(s): 03.0**

THIS IS PART TWO OF A TWO-PART COURSE FOR DOCTORAL STUDENTS ENROLLED IN HEALTH SERVICES RESEARCH AND POLICY. OTHER DOCTORAL STUDENTS MAY REGISTER WITH PERMISSION OF THE INSTRUCTOR. THE COURSE WILL COVER TWO RELATED COMPETENCIES: RESEARCH DESIGN AND WRITING SKILLS. THE SECOND PART OF THE COURSE WILL CONTINUE WITH GRANT PROPOSAL WRITING SKILLS. THE PURPOSE OF THE COURSE IS TO COVER BASIC ASPECTS OF RESEARCH DESIGN, SELECTION AND DEVELOPMENT OF RESEARCH QUESTIONS, CONCEPTUALIZATION, MEASUREMENT, AND DATA COLLECTION/ACQUISITION. STUDENTS WILL ALSO GAIN EXPERIENCE CONDUCTING LITERATURE REVIEWS, CRITICALLY REVIEWING MANUSCRIPTS AND GRANT PROPOSALS, AND WRITING RESEARCH QUESTIONS.  
(For HPM doctoral students only.)

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**HPM 3505 ADV EMP MICRO MTH APP HLTH RES****Credit(s): 03.0**

THIS COURSE IS DESIGNED TO COVER APPLIED ECONOMETRICS AND REGRESSION METHODS AT A FAIRLY ADVANCED LEVEL. THE COURSE REVIEWS THE FUNDAMENTALS OF ECONOMETRICS, SUMMARIZES EMPIRICAL MICROECONOMICS METHODS AND DISCUSSES THE APPLICATIONS FOR UNIQUE ISSUES IN HEALTHCARE RESEARCH. THIS COURSE WILL PROVIDE STUDENTS WITH ADVANCED TOOLS NECESSARY TO EVALUATE AND CONDUCT EMPIRICAL RESEARCH USING EXISTING DATASETS. THE FOCUS IS ON THE "HANDS-ON" USE OF ECONOMIC AND HEALTH DATA.

(Prerequisites: This course is intended for 2nd year PhD students who have taken a one-year sequence of intermediate or advanced courses in theoretical and applied statistics comparable to STAT 2131, STAT 2132, and have also taken BIOST 2046 or its equivalent. Some familiarity with matrix algebra and linear algebra is highly recommended.)

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**HPM 3508 RESEARCH AND DISSERTATION PHD**

**Credit(s): 01.0 to 15.0**

DISSERTATION CREDITS FOR QUALIFIED DOCTORAL STUDENTS IN THE DEPARTMENT OF HEALTH POLICY & MANAGEMENT.

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**HPM 2010 PATHOGEN BIOLOGY**

**Credit(s): 02.0**

**Prerequisite(s): PUBHLT 2015 or IDM student**

THE GOAL OF THIS COURSE IS TO TEACH THE BASIC BIOLOGY AND PATHOGENESIS OF MANY OF THE MOST IMPORTANT INFECTIOUS DISEASES THAT ARE PUBLIC HEALTH CHALLENGES IN THE 21ST CENTURY. IT IS INTENDED FOR STUDENTS WITH A BACKGROUND IN BIOLOGICAL SCIENCES, AND WILL REVIEW THOSE FEATURES THAT MAKE THESE PATHOGENS SO SUCCESSFUL AS AGENTS OF DISEASE. TOPICS COVERED WILL INCLUDE: THE INTERACTION BETWEEN THE PATHOGEN AND THE HOST GENOME, THE STRATEGIES USED BY EACH PATHOGEN TO EVADE THE HOST RESPONSE, AND THE WAYS IN WHICH THE PATHOGEN DEFENDS ITSELF AGAINST TREATMENTS AND VACCINES. THE COURSE WILL BE TAUGHT USING A COMBINATION OF DIDACTIC LECTURES AND PAPER DISCUSSIONS BASED ON THE CURRENT PRIMARY RESEARCH LITERATURE. (Note: For IDM students; and students without a background in biological sciences, but who have taken the core course PUBHLT 2015, are also welcome to take the course.)

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**HPM 3010 RESEARCH AND DISSERTATION PHD**

**Credit(s): 01.0 to 15.0**

DISSERTATION CREDITS FOR QUALIFIED DOCTORAL STUDENTS IN THE DEPARTMENT OF INFECTIOUS DISEASES AND MICROBIOLOGY.

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