Population Health (HLTH)

HLTH 2010. Health & Disease. 3 Hours.
Introduction to the science of health and disease, both communicable and non-communicable, including history, etiology, prevalence, symptoms, treatment and ways to prevent disease and protect health across the lifespan. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Define the most common terms associated with health and disease. 2. Compare and contrast the medical and wellness models of health. 3. Summarize mental and physical health. 4. Classify the most common communicable and non-communicable diseases and describe their history, etiology, and prevalence, symptoms, recommend basic treatment for each disease, and design disease prevention plans across the lifespan. 5. Assess the influence of alcohol, tobacco, and drugs on health. 6. Determine the most common health factors, articulate how each influences health and disease, and explain how to improve each factor for optimal health. FA.

HLTH 2700. Consumer Health Issues. 3 Hours.
This course examines factors associated with the marketplace for health-related products and services. Topics will include medical quackery, fraudulent health practices; laws and agencies protecting the consumer. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of health services, products, and alternative medicine. 2. Demonstrate an understanding of laws and agencies protecting the consumer. 3. Demonstrate an understanding of vulnerable populations. 4. Demonstrate an understanding of health care fraud and the implications to the health industry. 5. Demonstrate an understanding of the importance of personal responsibility to improve population health. 6. Demonstrate an understanding of the accumulation of individual health measures in evaluating population health. FA.

HLTH 3010. Population & Community Health. 3 Hours.
Highlights the concepts of population health and interdisciplinary collaboration for health and the basic processes and interventions used to address the health needs of communities. The course will also introduce students to the history, philosophy, functions and core values of public health in the U.S. and the world. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Describe the components of a population health system, including health delivery types and programs, health outcomes, health determinants, and policies that affect the determinants. 2. Develop interventions that promote patient engagement and behavior change, supported through patient advocacy and assistance programs. 3. Use decision support tools to develop interventions using models of population health to improve quality and safety measures within the continuum of care. 4. Defend the financial benefits of a population health management strategy compared to a reactive approach in delivering health services. 5. Evaluate research information and the reliability and validity of the information provided from research studies. 6. Identify emerging issues related to population health management and develop solutions to addressing those issues. FA.

HLTH 3020. U.S. & World Health Systems. 3 Hours.
Provides students with a comprehensive survey of the organization and management of the US health care system, including history, regulation, structure, economics, operations, and current issues, as well as a comparison of health systems worldwide. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of the organization and management of the US health care system. 2. Demonstrate an understanding of the history, regulation, structure, operations, and current issues in health care. 3. Compare and contrast health systems around the globe. 4. Demonstrate an understanding of the economic principles within health systems and the influence of third-party payers. FA.

HLTH 3040. Environmental Health. 3 Hours.
Provides a foundation for understanding how both natural and built environments affect human health. Topics will include human-environment interaction, pollution, sanitation, air, water and food quality, relationship to infectious disease, climate change and other current environmental health issues. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Develop an understanding of environmental health issues, remedies, and regulation. 2. Develop an understanding of human-environment interaction. 3. Develop an understanding of natural versus built environments. 4. Develop an understanding of pollution, sanitation, air, water, and food quality. 5. Develop an understanding of the relationship of the environment to infectious disease. 6. Develop an understanding of climate change and other current environmental health issues. SP.

HLTH 3310. Health Promotion. 3 Hours.
Introduces the principles of health promotion, including community assessment, asset mapping, coalition building, and advocacy. Students will learn how to successfully plan and implement community-based programming and to evaluate its effectiveness. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Explain the concept of health promotion and why a site is an appropriate delivery point. 2. Conduct a site needs assessment of program participants that includes the identification of health disparities. 3. Identify evidence-based health promotion interventions including appropriate health theories and develop appropriate program materials and activities. 4. Evaluate a health promotion program using common methods and tools. 5. Design effective marketing tools for a health promotion program. 6. Explain sources of grants and how to write a grant proposal. 7. Create a health promotion program that includes mission statement, objectives, policies, logic model, Gantt chart, staffing needs, advocacy agenda, communication plan, marketing tools, and budget. 8. Create a health promotion sustainability plan. FA, SP.
**HLTH 3385. Healthcare Quality and Safety. 3 Hours.**
The course introduces students to industry practices relative to patient healthcare quality and safety. This includes quality assessment, risk management, and process review as implemented within the healthcare environment. Principles of continuous quality improvement are used as a framework for the course. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Demonstrate an understanding of the evolution of continuous quality improvement, application of quality measures and practices, and implementation within the healthcare system.
2. Demonstrate an understanding of common medical errors including classification and reduction following a data-driven model.
3. Demonstrate an understanding of appropriate organization of quality resources.
4. Demonstrate an understanding of issues related to patient safety.
5. Demonstrate an understanding of industry best practices for achieving quality improvement within a health-related environment. SP.

**HLTH 3400. Healthcare Project Management. 3 Hours.**
Students will learn the theories, tools, and techniques for successful project management. Topics will include task organization and sequencing; schedule development; critical path method implementation as a management tool; the use of milestone and Gantt charts; the reverse planning method; and cost, performance, and client considerations. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Demonstrate knowledge of project management terms and techniques such as the triple constraint of project management.
2. Demonstrate an ability to utilize tools and techniques of project management such as selection methods, work schedules, Gantt charts, network diagrams, critical path analysis, cost estimates, earned value management, motivation, and team building.
3. Apply project management concepts by working on a team project as project manager or active team member.
4. Demonstrate strong communication skills utilizing virtual collaboration tools like Moodle and Google.
5. Develop an understanding of good project management by learning about and sharing examples of good and bad project management and using knowledge and skills developed in this course. SP.

**HLTH 3500. Health Organization Financial Analysis. 3 Hours.**
Introduces students to the fundamental principles and practices of accounting and finance needed by non-finance managers in health care organizations, including an introduction to budgeting, revenue and expenses, payroll, financial statements, and the economics of decision making. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Evaluate and critique the roles and responsibilities of finance that healthcare organizations and managers can use for effective decision making.
2. Construct spreadsheets and financial reports used for monitoring, control, reporting, and oversight in the application of basic financial management skills.
3. Demonstrate the concepts of capital budgeting and investment and long-term financing decisions and options.
4. Determine and evaluate the methods of working capital management, revenue cycle, and cash flow management.
5. Analyze and assess operating revenues, reimbursement, costs structures, and allocation methods used by healthcare organizations to ensure effective control, operation sustainability, and organizational efficiency and effectiveness.
6. Demonstrate and apply critical financial concepts—including financial statements, variance and ratio analysis, and break-even analysis—used by healthcare organizations to create robust financial budgets, reporting systems, and other critical financial plans needed to ensure the organization's financial viability in the long-term. SP.

**HLTH 3600. Patient Navigation. 3 Hours.**
This course will provide student with an understanding of the barriers to patient healthcare. In addition, this course will help students develop the skills and competencies to become an effective patient navigator. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Demonstrate an understanding of the barriers to effective patient navigation within the health care system.
2. Demonstrate an understanding of the competencies and skills needed by patient navigators.
3. Develop patient navigation basic skills.
4. Use communication skills to build rapport with patients.
5. Demonstrate an understanding of basic motivational interviewing. SP.

**HLTH 3750. Health Determinants & Disparities. 3 Hours.**
Focuses on the biological, environmental, behavior, social and economic factors that influence individual and community health and disease; emphasis will be given to the interaction between these factors, including personal lifestyle decisions and social determinants of health. Students will also be introduced to the U.S. Health people, goals, objectives and measures. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Demonstrate understanding of the social and economic factors that influence individual and community health and disease.
2. Demonstrate an understanding of cultural competence and diversity within the health industry and the influence on health status.
3. Demonstrate an understanding of appropriate measures of health.
4. Demonstrate an understanding of global, national, and local goals, objectives, and measures aimed at reducing health disparities. SP.

**HLTH 3800. Genetics & Disease. 3 Hours.**
This course covers the principles of human genetics, including the mapping of disease genes, defects causing human disease, the cloning of disease genes, gene therapy, transgenes, and specific pathological disorders. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Develop an understanding of the principles of human genetics.
2. Develop an understanding of mapping of disease genes.
3. Develop an understanding of defects causing human disease.
4. Explore the cloning of disease genes, gene therapy, transgenes, and specific pathological disorders. SP.

**HLTH 3900. Infectious Disease. 3 Hours.**
Course covers the basic concepts of infectious diseases and dynamics of disease transmission. From an initial review of some common terms, students progress into detailed discussions on how pathogens establish themselves within a host to sustain an infection. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to:**
1. Develop an understanding of the basic concepts of infectious diseases.
2. Develop an understanding of the dynamics of disease transmission.
3. Develop an understanding of methods in which pathogens establish themselves within a host to sustain an infection. SP.
HLTH 4010. Biostatistics & Epidemiology. 3 Hours.
Covers principles and methods of epidemiologic investigation and the use of classical statistical approaches to describe the health of populations. Recommended prerequisites include MATH 1040 or STAT 2040 grade C or higher. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Describe the history, philosophy, and uses of epidemiology. 2. Summarize the sources of epidemiologic data. 3. Explain common terms of epidemiology including morbidity, mortality, descriptive epidemiology, association, and causation. 4. Analyze population health using common measures in epidemiology. 5. Summarize evidence-based public health, and discuss its applications. 6. Recommend policy improvement based upon the application of epidemiology and associated measures. 7. Discuss screening for disease and calculate related measures. 8. Predict and summarize measures of outbreak investigation, social and behavioral phenomena, and special topics including work and the environment. SP.

HLTH 4020. Research Methodology in Population Health. 3 Hours.
The course provides the fundamental and working knowledge of scientific method employed in population health research. Students will perform critical analysis of research utilizing scientific method and evidence-based publications. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of the scientific methods employed in population health research. 2. Create a proposal for an agreed upon research question that includes an introduction, background information, problem statement, purpose, significance, theoretical framework, scope and limitations, and other relevant information. 3. Demonstrate an understanding of data sources and collection methods. 4. Demonstrate an understanding of data analysis and results. SP.

HLTH 4030. Leadership & Group Dynamics. 3 Hours.
Focuses on the theories, concepts, and principles of leadership; emphasizes the development of leadership skills related to personal behavior, communication, organization, and self-examination; and explores the opportunity to develop leadership roles appropriate to the population health profession. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Create a job analysis and organizational chart based upon my self assessment and the roles and responsibilities of a health leader. 2. Identify and apply leadership tools that implement strategies in order to create a positive environment within their organizations. 3. Summarize leadership theories and how each applies in various situations. 4. Create an employee development plan that includes: mentoring, coaching, motivation, conflict resolution, performance evaluation, retention, confidentiality. 5. Explain the role of a leader as it applies to financial performance within an organization. FA.

HLTH 4300. Healthcare Marketing. 3 Hours.
Introduces students to the fundamental marketing concepts and strategies as related to delivery of health care, including, market analysis, competition, marketing mix, promotional strategy, patient-consumer psychology, and regulatory limitations. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of concepts and strategies related to the delivery of health care. 2. Create a comprehensive marketing plan that includes market analysis, competition, marketing mix, and strategic goals. SP.

HLTH 4400. Health Law & Ethics. 3 Hours.
Emphasizes the basic legal, regulatory, and ethical issues impacting health care and public health systems, including the roles of various governmental agencies and branches. Explores the roles and responsibilities of individuals within the health industry. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of ethics, the importance of ethics, and the application to ethical dilemmas using a variety of ethical frameworks. 2. Describe historical events that have shaped common ethical dilemmas within the health industry. 3. Demonstrate an understanding of the role, function, and purpose of ethics committees. 4. Demonstrate an understanding of the development and sources of laws. 5. Demonstrate an understanding of laws that commonly apply to the health industry such as torts, contract law, negligence, malpractice, fraud, consent, employee rights, abuse, and patient rights. 6. Demonstrate an understanding of accrediting, credentialing, and privileges as each applies to the health industry. FA.

HLTH 4500. Global Health. 3 Hours.
Provides students with in-depth coverage of the social, cultural, economic, environmental, climatological and political issues that determine the health status of global populations and that can lead to disparities among nations. Course also highlights local and regional influences on global health and potential remedies. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of key principles of global health including the social, cultural, economic, environmental, climatological and political issues that determine the health status of global populations. 2. Demonstrate an understanding of global ethics, funding, and implementation of programs to improve global health. 3. Demonstrate an understanding of the global burden of disease. 4. Demonstrate an understanding of local and regional influences on global health and potential remedies. 5. Demonstrate an understanding of global health throughout the lifespan. FA.

HLTH 4600. Health Economics. 3 Hours.
Provides an overview of the United States healthcare system using a microeconomics lens. Microeconomic theory and empirical studies will be introduced to increase understanding of how consumers, firms, and the government influence healthcare expenditures (including its quantity and prices), healthcare quality, and patient health outcomes. Economic models will used to predict how changes in consumer behavior, the industrial organization of firms, and government policies affect healthcare and health outcomes. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Describe how economics applies to health care and apply economic principles to influence cost, quality and access of care. 2. Explain the broad economic context of health care delivery in the US compared to other countries. 3. Analyze the changing nature of the health industry and the economic implications for operations and public policy including insurance, technology, and workforce. 4. Evaluate public policy using an economic perspective for international, national, and local populations. SP.
HLTH 4700. Nursing Home Administration. 3 Hours.
Provides an understanding of present laws, regulations, and standards that impact the management of nursing home facilities. Covers resident rights and responsibilities and the role in managing such facilities. The course highlights record keeping, use of information systems and data, operational performance, and quality of care within nursing homes. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of present laws, regulations, and standards that impact the management of nursing home facilities. 2. Demonstrate an understanding of resident rights and responsibilities and the role in managing such facilities. 3. Develop processes, policies, and procedures that provide for record keeping, use of information systems and data, operational performance, and quality of care within nursing homes. FA.

HLTH 4710. Residential Care Administration. 3 Hours.
Presents managerial ideologies important to the operational, regulatory, and environmental standards of residential care facilities. The role of the administrator is explored in planning, organizing, directing, controlling, and staffing each department to provide appropriate levels of care and quality of life. Includes the contributions of rehabilitation and recreation services in improving quality of life for residents. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of managerial ideologies important to the operational, regulatory, and environmental standards of residential care facilities. 2. Describe the role of the administrator in planning, organizing, directing, controlling, and staffing each department to provide appropriate levels of care and quality of life. 3. Explain the contributions of rehabilitation and recreation services in improving quality of life for residents. FA.

HLTH 4720. Home and Community Based Services. 3 Hours.
Presents management concepts related to home and community based long-term care services including rehabilitation, home health, and hospice including laws, regulations, standards, patient rights, and role of personnel. Addresses performance improvement; quality of care, and challenges associated with the delivery of care in these environments. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of management concepts related to home and community based services of care for long-term care services including rehabilitation, home health, and hospice. 2. Explain concepts including laws, regulations, standards, patient rights, and role of personnel that impact home and community based services. 3. Develop processes, policies, and procedures that address performance improvement, quality of care, and challenges associated with the delivery of care in home and community based services. FA.

HLTH 4750. National Long-Term Care Certification Exam Preparation. 2 Hours.
Presents a review of program curriculum. Provides students with study material and practice exams that focus on the content of the national administrator certification exam. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of program curriculum including regulations, operations, quality improvement, patient rights, planning, organizing, directing, controlling, and staffing within long-term care organizations. 2. Explore the national administrator exam contents and formats. 3. Demonstrate proficiency with content included on the national administrator exam. SP.

HLTH 4760. Applied Case Studies in Population Health. 3 Hours.
Students will work in a collaborative environment to develop strategies and solutions to practical problems within population health. Inter-professional education activities will enhance the ability to approach the problem from a variety of perspectives. Includes defining, analyzing, and solving significant senior management level problems in health service organizations. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Identify and define a significant issue related to population health within the community. 2. Conduct a comprehensive analysis of a population health problem using an inter-professional approach. 3. Develop strategic plans to address a population health problem within the community. SP.

HLTH 4770. Population Health Lecture Series. 3 Hours.
This course will explore population health topics and challenges present in health organizations. Students will analyze the responses by managers and leaders in addressing the challenges to identify successful approaches to problem solving and process improvement. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Develop an understanding of current issues related to population health. 2. Demonstrate an understanding of strategic approaches in resolving population health issues in a collaborative environment. 3. Evaluate the success or failure of strategic approaches to problem solving by leaders in population health. 4. Create alternative approaches to solving current issues in population health. FA.

HLTH 4790. Management of Healthcare Organizations & Strategy. 3 Hours.
This course focuses of management issues specific to health care organizations. Topics will include responding to market changes and patient expectations, adopting and creating innovation, analyzing and adapting to change to improve performance, job designs and roles in health care organizations, interdisciplinary team-based work, working within health care regulation, integrating health care technology and other current topics. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Analyze management of diversity issues in a changing health care environment. 2. Describe managing a health care facility with ethics and social responsibility. 3. Compare management principles of quality vs. competitive advantage in health care. 4. Analyze the tradeoffs between patient care issues and financial accountability. 5. Investigate human resources management in health care organizations. 6. Examine the use of information systems for healthcare management functions. 7. Formulate the fundamentals of leadership in health care, using communication and interpersonal skills. 8. Compare and contrast organizational cultures in a health care setting. 9. Assess decision making and problem solving in human resources, strategic planning and other areas of health care. 10. Identify the fundamentals of planning in a health care setting. FA.
HLTH 4800. Health Policy. 3 Hours.
The course will provide a framework for understanding and analyzing a range of health policy issues. The course begins by introducing the U.S. policy-making system. It then considers essential issues in health policy formulation and implementation including including health insurance, health economics, individual rights in health care, and health care access and quality. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Explain important federal, state, and local health policy. 2. Explain the major issues surrounding the health care reform debate. 3. Identify and use health policy data sources. 4. Identify the major political, economic and social forces affecting the U.S. healthcare system. 5. Analyze ethical and cultural diversity issues in health services. 6. Describe a range of significant and pressing health policy topics, such as children's health, women's health, alcohol, tobacco and drug control, and food and obesity policies. SP.

HLTH 4900R. Population Health Study Abroad. 3 Hours.
This course explores population health programs and health care services in an environment that introduces students to a variety of cultures, systems, and experiences. The experience provides an opportunity to compare and contrast other health systems to the United States. For international travel, see studyabroad.dixie.edu for additional travel costs that may apply. The course may be repeated up to 3 times. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate an understanding of cultural competence and diversity in world health systems. 2. Compare and contrast a population health system with the United States. 3. Create recommendations based upon the analysis conducted between health systems.

HLTH 4910. Population Health Capstone. 3 Hours.
Designed as an academic cumulative experience allowing students to demonstrate competence in integrating concepts across the curriculum and will include the creation of a professional project. Additionally, the course will prepare students for their professional internship experience and reinforce concepts such as ethics, professionalism, networking, organizational dynamics, teamwork and leadership. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Demonstrate competence in integrating concepts across the curriculum by creating solutions to case study scenarios and completing appropriate projects. 2. Demonstrate competence in program curriculum through a standardized nationally administered exam covering concepts such as ethics, professionalism, networking, organizational dynamics, teamwork and leadership. 3. Prepare for their professional internship experience. 4. Create resumes and fulfill activities to prepare for entry into the health industry. Prerequisites: HLTH 2010 and HLTH 3010 and HLTH 3020 and HLTH 4010 (all Grade C or higher). SP.

HLTH 4920R. Population Health Internship. 3-6 Hours.
Course is designed to provide students with community-based practical experience that will allow them to observe real-life practice and provide opportunity to demonstrate mastery of professional skills in a health community setting. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Observe real-life practice and provided opportunity to demonstrate mastery of professional skills in a health setting completing a minimum of 120 hours. 2. Apply knowledge and skills within a health organization. 3. Demonstrate program competencies while completing an agreed upon project for a health organization. 4. Demonstrate readiness to enter into the health industry or graduate school. 5. Demonstrate ability to collaborate with industry professionals including supervisors and peers. Prerequisites: Instructor permission required. FA, SP.

HLTH 4930R. Long-Term Care Residency I. 3 Hours.
Provides an experience where students complete projects, plans, and other administrative tasks under the joint supervision of a long-term care facility administrator and faculty member. This course requires 600 hours of on-site application of program knowledge and skills at a long-term care facility. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Apply knowledge and skills within a nursing home organization. 2. Demonstrate an ability to collaborate with industry professionals including supervisors and peers. 3. Demonstrate program competencies while completing an agreed upon project for a long-term health care organization. 4. Demonstrate readiness to oversee a long-term care organization or graduate school. FA, SP.

HLTH 4940R. Long-Term Care Residency II. 3 Hours.
A continuation of Long-Term Care Residency I, this course provides an experience where students complete projects, plans, and other administrative tasks under the joint supervision of a long-term care facility administrator and faculty member. This course requires 400 hours of on-site application of program knowledge and skills at a long-term care facility or an alternative long-term care organization. **COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Apply knowledge and skills within a health care organization. 2. Demonstrate program competencies while completing an agreed upon project for a long-term care organization. 3. Demonstrate an ability to collaborate with industry professionals including supervisors and peers. 4. Demonstrate readiness to lead a long-term care organization or enter graduate school. FA, SP.