HEALTH CARE ADMINISTRATION (HCA)

HCA 203 Human Life Cycle
3 cr. Undergraduate.
Views of leading theorists and recent research in the field of human development will be presented with emphasis on biopsychosocial aspects of the five major stages of development from prenatal through senescence.
Prerequisites: soph st or cons instr.
General Education Requirements: SS
Current Offerings: http://uwm.edu/schedule

HCA 212 Drugs Used and Abused
3 cr. Undergraduate.
An introduction to the mechanisms, actions, uses and abuses of selected licit and illicit drugs from a public health perspective.
Prerequisites: soph st or cons instr.
General Education Requirements: SS
Current Offerings: http://uwm.edu/schedule

HCA 220 Leading Healthcare Professionals
3 cr. Undergraduate.
Introduction to effective healthcare leadership of self, others, and groups in complex healthcare settings. Emphasis on leader understanding own temperament and values and healthcare context.
Prerequisites: none.
Last Taught: Fall 2018, Summer 2018.
Current Offerings: http://uwm.edu/schedule

HCA 220X Leading Healthcare Professionals
3 cr. Undergraduate.
Introduction to effective healthcare leadership of self, others, and groups in complex healthcare settings. Emphasis on leader understanding own temperament and values and healthcare context.
Prerequisites: none.
Last Taught: Fall 2018, Summer 2018.
Current Offerings: http://uwm.edu/schedule

HCA 245 Client Diversity in Health Sciences: An Interdisciplinary Perspective
3 cr. Undergraduate.
Interdisciplinary instruction on effective service delivery in the health sciences to culturally diverse individuals and families. Emphasis on the complexity of an individual's cultural identity.
Prerequisites: soph st or cons instr.
Course Rules: BMS(C L Sci)/ComSDis/HCA/Kin(HMS)/OccThpy/TherRec 245 are jointly offered; they count as repeats of one another.
General Education Requirements: SS, CD
Current Offerings: http://uwm.edu/schedule

HCA 260 Gerontology for Health Care Administrators
3 cr. Undergraduate.
The administrator's responsibility for improving resident quality of life in long-term care organizations through an overview of sociological, psychological, and biological aspects of aging.
Prerequisites: none.
Current Offerings: http://uwm.edu/schedule

HCA 290 Selected Topics in Health Information Administration:
1-3 cr. Undergraduate.
Content to be determined as instructional need arises.
Prerequisites: none, except as specified for topic.
Course Rules: May be retaken for cr w/chg in topic.
Current Offerings: http://uwm.edu/schedule

HCA 297 Study Abroad
1-12 cr. Undergraduate.
Designed to enroll students in UWM sponsored program before course work level, content and credits are determined and/or in specially prepared program course work.
Prerequisites: acceptance to Study Abroad Prog.
Course Rules: May be retaken for cr w/chg in topic.
Last Taught: Fall 2010, Summer 2008.
Current Offerings: http://uwm.edu/schedule

HCA 307 Epidemiology for the Health Sciences
3 cr. Undergraduate.
Introduction to the etiology and distribution of disease and risk factors associated with the determination of disease; applications of epidemiology to the health science professions.
Prerequisites: HMS 270(P) or MthStat 215(P)
Current Offerings: http://uwm.edu/schedule

HCA 333 Health Organizations Professional Practice Standards
2 cr. Undergraduate.
Overview of regulatory statutes, licensure requirements, accreditation and other professional practice standards that affect healthcare organizations.
Prerequisites: jr st in Hlth Sci or minor in HCA.
Current Offerings: http://uwm.edu/schedule

HCA 340 Healthcare Process Measurement
3 cr. Undergraduate.
Compilation and presentation of healthcare statistics; use of statistical analysis and graphic presentation of data to examine healthcare processes and support decision-making.
Prerequisites: jr st in HlthSci; HMS 270(P) or MthStat 215(P).
Current Offerings: http://uwm.edu/schedule

HCA 361 Structure and Functions of Long-Term Care Facilities
3 cr. Undergraduate.
Nursing home administrator's domains of practice, nursing facility management innovations, and the long-term care continuum through lectures and site visits.
Prerequisites: HCA 260(P); or cons instr.
Current Offerings: http://uwm.edu/schedule
HCA 362 Legal and Regulatory Aspects of Long-Term Care Facilities
3 cr. Undergraduate.
Legal and regulatory environment of the nursing facility. Reviews state and federal requirements and overviews the survey process designed to protect resident well-being
Prerequisites: HCA 311(C) & 361(P), or cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 411 Disease Classification Systems I
3 cr. Undergraduate.
Disease classification systems with emphasis on hospital applications.
Prerequisites: HCA 222(HIA 222)(P) or equiv; or cons instr.
Last Taught: Fall 2003, Fall 2002, Fall 2001, Fall 2000.
Current Offerings: http://uwm.edu/schedule

HCA 421 Operations Management in Healthcare Organizations
3 cr. Undergraduate.
Application of operations management principles to management of healthcare organizations. Emphasis on tools to plan, organize and control.
Prerequisites: Bus Adm 350(P).
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 422 Human Resource Management in Healthcare Organizations
3 cr. Undergraduate.
Introduction of human relation concepts as it applies to the health care organizations. Emphasis on the application of management responsibilities.
Prerequisites: jr st in Hlth Sci or HCA minor.
Last Taught: Fall 2018, Fall 2017, Spring 2017, Fall 2016.
Current Offerings: http://uwm.edu/schedule

HCA 423 Health Information Administration in Specialized Healthcare Facilities
4 cr. Undergraduate.
Study of health information systems in ambulatory, long-term, home health, and other non-hospital settings; site visits and site-specific projects.
Prerequisites: sr st in HCA or cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 430 Patient Registration Management
3 cr. Undergraduate.
Prerequisites: none.
Current Offerings: http://uwm.edu/schedule

HCA 444 Introduction to Text Retrieval and Its Applications in Biomedicine
3 cr. Undergraduate/Graduate.
Introduction to text retrieval, text classification and their biomedical applications; topics include: indexing, query processing, and document retrieval methods.
Prerequisites: jr st; CompSci 351(P) or HCA 442(P).
Course Rules: Jointly offered with & counts as repeat of CompSci 444, CompSci 744, & HCA 744.
Current Offerings: http://uwm.edu/schedule

HCA 450 Healthcare Quality Management
3 cr. Undergraduate.
Theory and development of quality assessment programs in healthcare; involvement of governing board, administration, medical staff, includes review of risk and utilization management programs.
Prerequisites: C L Sci 301-305(P), HMS 270(P) or MthStat 215(P).
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 460 Healthcare Reimbursement Systems and Policies
3 cr. Undergraduate.
History and functioning of healthcare reimbursement systems. Emphasis on the policies and procedures of government and major third party systems.
Prerequisites: HCA 421(P).
Current Offerings: http://uwm.edu/schedule

HCA 480 Competency-Based Internship in Long-Term Care Facilities
3 cr. Undergraduate.
A supervised clinical practicum serving as the capstone fieldwork experience for HCA majors obtaining a sub-major in long-term care administration.
Prerequisites: HCA 362(C) & cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 497 Study Abroad
1-12 cr. Undergraduate/Graduate.
Designed to enroll students in UWM sponsored program before course work level, content, and credits are determined and/or in specially prepared program course work.
Prerequisites: jr st; acceptance to Study Abroad Prog.
Course Rules: May be retaken w/chg in topic.
Current Offerings: http://uwm.edu/schedule

HCA 502 Healthcare Delivery Systems: National and International Perspectives
3 cr. Undergraduate.
An analysis of health delivery systems in the U.S. and abroad.
Prerequisites: jr st & completion of HS 102(HCA 102)(P).
Current Offerings: http://uwm.edu/schedule

HCA 520 Clinical Practicum
3 cr. Undergraduate.
Assignments to local health information centers for practical experience; weekly meetings and projects also required.
Prerequisites: sr st in HCA.
Current Offerings: http://uwm.edu/schedule

HCA 521 Advanced Systems Thinking for Healthcare Leaders
3 cr. Undergraduate/Graduate.
An in-depth view of systems theory, Deming’s system of profound knowledge, and Goldratt’s theory of constraints and how these theories can improve healthcare organizations.
Prerequisites: jr st; HCA 340(P) & Bus Adm 330(P).
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule
HCA 537 Introduction to Healthcare Databases and Technologies
3 cr. Undergraduate/Graduate.
Introduction to origins, sources and content of healthcare data; technologies used to manage and control healthcare databases.
Prerequisites: jr st in Hlt Hlth Sci or minor in HCA or HCl cert or cons instr; HS 224 (HCA 224)(P) or LSI Sci 110(P) or Bus Adm 230(P).
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 540 Health Information Professional Practice
4 cr. Undergraduate.
Four-week professional practice working with and under supervision of an information manager. Pre-practice meetings and post-practice seminar.
Prerequisites: sr st in HCA, HCA 520 (HIA 520)(P).
Current Offerings: http://uwm.edu/schedule

HCA 541 Healthcare Information Systems Analysis and Design
3 cr. Undergraduate/Graduate.
Overview of health facility computerized information systems. Information systems theory, systems analysis, and implementation of computer systems from a managerial/planning perspective.
Prerequisites: jr st, HCA 537(P); or grad st.
Current Offerings: http://uwm.edu/schedule

HCA 542 Healthcare Database Design and Management
3 cr. Undergraduate/Graduate.
Study of database structure, data models, and operations issues. Emphasis on data security, integrity, integration, and access. Healthcare database applications.
Prerequisites: jr st, HCA 541(P); or grad st.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

HCA 542G Healthcare Database Design and Management
3 cr. Undergraduate/Graduate.
Study of database structure, data models, and operations issues. Emphasis on data security, integrity, integration, and access. Healthcare database applications.
Prerequisites: jr st, HCA 541(P); or grad st.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

HCA 580 Health Care Administration Internship
4 cr. Undergraduate.
Capstone course/Internship experience with administrators in health care agencies and health-related organizations (e.g., hospitals/health systems, ambulatory care/group practices, managed care, rehabilitation facilities, residential/long-term care).
Prerequisites: sr st in HCA prog & cons internship coordinator.
Course Rules: May be retaken to max of 12 cr.
Current Offerings: http://uwm.edu/schedule

HCA 590X Topics in Health Sciences:
1-3 cr. Undergraduate/Graduate.
Topics of current interest within the field of health sciences. The theme for each semester’s offering will be posted.
Prerequisites: jr st in HCA prog & cons internship coordinator.
Course Rules: May be retaken with change in topic to max of 9 cr for grad students.
Last Taught: Fall 2018, Summer 2018.
Current Offerings: http://uwm.edu/schedule

HCA 590G Topics in Health Sciences:
1-3 cr. Undergraduate/Graduate.
Topics of current interest within the field of health sciences. The theme for each semester’s offering will be posted.
Prerequisites: jr st in HCA prog & cons internship coordinator.
Course Rules: May be retaken with change in topic to max of 9 cr for grad students.
Last Taught: Fall 2018, Summer 2018.
Current Offerings: http://uwm.edu/schedule

HCA 590 Topics in Health Sciences:
1-3 cr. Undergraduate/Graduate.
Topics of current interest within the field of health sciences. The theme for each semester’s offering will be posted.
Prerequisites: jr st in HCA prog & cons internship coordinator.
Course Rules: May be retaken with change in topic to max of 9 cr for grad students.
Last Taught: Fall 2018, Summer 2018.
Current Offerings: http://uwm.edu/schedule

HCA 599 Advanced Independent Study:
1-3 cr. Undergraduate/Graduate.
Prerequisites: U: jr st, 2.5 gpa, writ cons instr; G: grad st; writ cons instr.
Course Rules: May be retaken with change in topic.
Current Offerings: http://uwm.edu/schedule

HCA 700 Introduction to Health Care Informatics
3 cr. Graduate.
An introduction to the history, theory, applications, and organizational context of health informatics.
Prerequisites: grad st or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 721 Health Information Technology Procurement
3 cr. Graduate.
A study of the concepts related to acquisition of information technology, including evaluation, selection, and contracts. Emphasis on integration of information technology and strategic planning.
Prerequisites: grad st; Bus Adm 749(C) or CompSci 557(C) or HCA 442 (HIA 442)(C) or cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 722 Legal, Ethical and Social Issues in Health Care Informatics
3 cr. Graduate.
Legal, ethical and social issues in the use of health care computer-based technology and information systems.
Prerequisites: grad st
Last Taught: Fall 2018, Spring 2017, Spring 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule
HCA 723 Health Care Systems Applications - Administrative and Clinical
3 cr. Graduate.
A study of the administrative and clinical applications of health information systems with emphasis on content, functional and technical requirements.
Prerequisites: grad st; Bus Adm 749(C) or CompSci 557(C) or HCA 442 (HIA 442)(C) or cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 740 Introduction to Biomedical Database Applications
3 cr. Graduate.
The course surveys the emerging field of biomedical database applications, which includes recurrent themes in biomedical database design.
Prerequisites: grad st or cons instr.
Last Taught: Spring 2018.
Current Offerings: http://uwm.edu/schedule

HCA 741 Essential Programming for Health Informatics
3 cr. Graduate.
Study of programming topics and skills necessary to perform commonly encountered computational tasks in the field of biomedical and health informatics.
Prerequisites: grad st.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Spring 2016.
Current Offerings: http://uwm.edu/schedule

HCA 742 Computational Intelligence in Health Informatics
3 cr. Graduate.
Study of computational intelligence as applied to biomedical and health care informatics.
Prerequisites: grad st.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 743 Predictive Analytics in Healthcare
3 cr. Graduate.
Study of predictive analytics methods and their healthcare applications.
Prerequisites: grad st or cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 744 Text Retrieval and Its Applications in Biomedicine
3 cr. Graduate.
Fundamental issues and current research in text retrieval, text classification and their biomedical applications; programming and use of indexing, query processing, and document retrieval methods.
Prerequisites: grad st; COMPSCI 351 (P) or HCA 442 (P) or cons instr.
Course Rules: Not open to students who have cr in COMPSCI 744, COMPSCI 444 or HCA 444.
Last Taught: Fall 2016, Fall 2015, Fall 2007.
Current Offerings: http://uwm.edu/schedule

HCA 745 Health Big Data Processing Platforms
3 cr. Graduate.
Study of big data processing techniques in healthcare.
Prerequisites: HCA 741(P); grad st or cons instr.
Current Offerings: http://uwm.edu/schedule

HCA 760 Biomedical and Healthcare Terminology and Ontology
3 cr. Graduate.
Theory and application of ontology, controlled terminology, and coding to health information systems.
Prerequisites: grad st.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 776 Biomedical Natural Language Processing
3 cr. Graduate.
Study of basic and essential concepts, techniques, and tools of Natural Language Processing for its application to the biomedical domain.
Prerequisites: grad st; B or better in HCA 741 or cons instr. Computer and internet access required.
Current Offerings: http://uwm.edu/schedule

HCA 789 Biomedical Information Extraction
3 cr. Graduate.
Applications of Natural Language Processing Methods to Biomedical Information Extraction Tasks.
Prerequisites: grad st; B or better in HCA 776 or cons instr. Counts as a repeat of HCA 590 with same topic.
Current Offerings: http://uwm.edu/schedule

HCA 801 Design of Health and Human Service Systems
3 cr. Graduate.
Develop and apply skills in analysis, synthesis and evaluation of systemic components necessary to delivery health care services in the United States of America. Counts as repeat of HCA 590 of same topic.
Prerequisites: grad st; admis to MHA major; or cons instr
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

HCA 813 Health Regulatory Policy and Politics
3 cr. Graduate.
Social and political foundations of healthcare regulations including legal factors affecting patient/client care, operations, the administration of healthcare facilities and systems.
Prerequisites: grad st; admis to MHA major; or cons instr
Course Rules: Counts as repeat of HCA 590 of same topic.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

HCA 821 Operations Management in Healthcare Organizations
3 cr. Graduate.
Fundamental principles, concepts, and approaches regarding health care operations management, quality management, and process improvement.
Prerequisites: grad st; admis to MHA major; or cons instr
Last Taught: Fall 2018, Fall 2017, Fall 2016.
Current Offerings: http://uwm.edu/schedule

HCA 822 Human Resources Management for Healthcare Executives
3 cr. Graduate.
Human resources management functions, processes and systems within healthcare organizations including recruitment, selection, training of personnel and the legal and regulatory environment.
Prerequisites: grad st; admis to MHA major; or cons instr.
Course Rules: Counts as repeat of HCA 590 of same topic.
Last Taught: Fall 2018.
Current Offerings: http://uwm.edu/schedule
HCA 823 Strategic Planning in Health Care Organizations
3 cr. Graduate.
Application of decision support for strategic planning in health care organizations. Counts as repeat of HCA 590 of same topic.
**Prerequisites:** grad st; admis to MHA major; or cons instr.
**Last Taught:** Spring 2018.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 830 Social Media & Healthcare: Opportunities & Pitfalls
3 cr. Graduate.
Social media for healthcare providers, self-management, disease surveillance, mood/depression detection, social support for patients with chronic diseases. Social media as platforms for collaboration.
**Prerequisites:** grad st; admis to MHA or MS-HCI program; or cons instr
**Course Rules:** Counts as repeat of HCA 590 of same topic.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 835 Patient-Provider Communication: Strategies & Practices
3 cr. Graduate.
Communication techniques including technological skills, social media skills, inter-cultural skills and the ability to understand the new and evolving empowered patients. Counts as repeat of HCA 590 of same topic.
**Prerequisites:** grad st; admis to MHA or MS-HCI program; or cons instr
**Last Taught:** Spring 2017.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 843 Quantitative Methods for Healthcare Administrators
3 cr. Graduate.
Basic and intermediate methods that healthcare administrators and their teams use to analyze quantifiable data, including individual and group exploration into the terminology, application, selection, evaluation, and communication of these methods and their results.
**Prerequisites:** grad st; admis to MHA major; or cons instr
**Course Rules:** Counts as repeat of HCA 590 with similar topic.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 865 Financial Management for Health Care Organizations
3 cr. Graduate.
Skills in analysis, synthesis and evaluation of advanced financial management theories, principles, concepts and techniques important to health management.
**Prerequisites:** grad st; admis to MHA major; or cons instr
**Course Rules:** Counts as repeat of HCA 590 of same topic.
**Last Taught:** Spring 2018, Spring 2017.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 866 Leading Change & Innovation in a System
3 cr. Graduate.
Management of innovation business projects, including multi-tier contracting, virtual manufacturing, quality targeting and pursuit, and global operations. Counts as repeat of HCA 590 of same topic.
**Prerequisites:** grad st; admis to MHA major; or cons instr
**Last Taught:** Fall 2018, Fall 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 867 Leading Strategic Innovation in a Competitive Global Market
3 cr. Graduate.
Overview of healthcare in 11 developing/industrialized countries. Integrated approach and synthesis-based organizational framework explored. Leadership strategies for analysis and solutions to current issues developed.
**Prerequisites:** grad st; admis to MHA major; or cons instr.
**Last Taught:** Spring 2018, Spring 2017.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 868 Health Law
3 cr. Graduate.
Critical examination for healthcare specific issues and differences from other industries; financial and accounting practice; legal requirements and constraints; ethical issues facing healthcare managers.
**Prerequisites:** grad st; admis to MHA major; or cons instr.
**Last Taught:** Spring 2018, Spring 2017.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 869 Health Care Compliance
3 cr. Graduate.
Fundamentals of health care compliance, following Health Care Compliance Association expectations. Partial preparation for Certification in Healthcare Compliance (CHC) exam offered by Compliance Certification Board.
**Prerequisites:** grad st; or cons instr.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 870 Internship in Health Care Administration
2 cr. Graduate.
Fieldwork placement in a staff or administrative position.
**Prerequisites:** grad st; admis to MHA program; or cons instr
**Last Taught:** Summer 2018, Summer 2017, Summer 2016.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 871 MHA Capstone
1 cr. Graduate.
Capstone course in which students demonstrate mastery of integration and synthesis of didactic and experiential coursework. Facilitates the turning point from education to professional practice.
**Prerequisites:** grad st; admis to MHA; or cons instr
**Last Taught:** Fall 2018.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 890 Health Care Informatics Research and Thesis
1-6 cr. Graduate.
Preparation of a thesis under the direction of the student's major professor.
**Prerequisites:** grad st, cons instr.
**Last Taught:** Spring 2016, Fall 2014, Spring 2014, Summer 2013.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

HCA 891 Health Care Informatics Professional Project
3 cr. Graduate.
Preparation of a professional project under the supervision of the student's major professor.
**Prerequisites:** grad st; cons instr.
**Last Taught:** Fall 2018, Summer 2018, Spring 2018, Fall 2017.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)
HCA 909 Guided Teaching Experience in Health Sciences
3 cr. Graduate.
This course provides the student, under the supervision of a faculty member, with the opportunity to design, deliver, and evaluate an undergraduate course.

Prerequisites: grad st; Occ Thpy 900(P); cons instr
Course Rules: Jointly offered w/ and counts as a repeat of BMS (C L Sci) 909.

Last Taught: Fall 2015.
Current Offerings: http://uwm.edu/schedule

HCA 990 Research and Dissertation
1-6 cr. Graduate.
Research in Healthcare Administration and Informatics.
Prerequisites: grad st
Current Offerings: http://uwm.edu/schedule