

HEALTH INFORMATICS (HIN)

HIN 535 Applied Healthcare DB 3 Credit hours

To understand the logical and physical design of data stored and retrieved from relational databases, how it applies to healthcare, and how HIM professionals can effectively communicate business requirements.

Grade Mode: Normal Grading Mode

HIN 545 Healthcare Data Analytics 3 Credit hours

The course focuses on the systems, techniques, strategies and methods of big data analysis, data mining and machine learning algorithms and data visualization in healthcare settings.

Grade Mode: Normal Grading Mode

HIN 605 The Role of EHR and PHR 3 Credit hours

Students will be introduced to the main concepts and software applications of Electronic Health Records and Personal Health Records.

Grade Mode: Normal Grading Mode

HIN 610 Intro to Health Informatics 3 Credit hours

Introductory health informatic tools for data analysis and administrative decision-making including for example, Excel, Tableau, and machine learning.

Grade Mode: Normal Grading Mode

HIN 615 Health Quality and Safety 3 Credit hours

Provide an experience that will prepare students to work effectively in professional positions, and to bridge the learning gained in course work with the world of practice.

Grade Mode: Normal Grading Mode

HIN 620 Legal Health & Informat 3 Credit hours

The course will introduce students to IT governance, health information ethic and legal requirements to improve health care processes, customer response and business competitiveness.

Grade Mode: Normal Grading Mode

HIN 630 Research Methods and Data 3 Credit hours

The course will introduce a compendium of methods for evaluation of IT-based systems and solutions within health care. Students will acquire knowledge in research process.

Grade Mode: Normal Grading Mode

HIN 650 Health Informatics Practicum 3 Credit hours

Provide an experience to prepare students to work effectively in professional positions, and bridge the learning gained in course work with the world of practice.

Pre-req: HIN 605 with a minimum grade of C and HCA 656 with a minimum grade of C.

Grade Mode: Normal Grading Mode

HIN 664 Advanced Health Informatics 3 Credit hours

Advanced aspects and use of health informatic tools, including management and analysis of data, modeling and simulation, data communications, on-line databases, clinical decision analysis, and enterprise systems.

Grade Mode: Normal Grading Mode

HIN 665 Health Care Enterpr Info Syste 3 Credit hours

A hands-on introduction to using a health care enterprise information system providing students opportunity to work with elements of an EIS.

Grade Mode: Normal Grading Mode

HIN 685 Independent Study 1-4 Credit hours

Independent Study relates to projects that do not fall specifically within an individual department's curriculum.

Grade Mode: Normal Grading Mode

HIN 686 Independent Study 1-4 Credit hours

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Grade Mode: Normal Grading Mode

HIN 687 Independent Study 1-4 Credit hours

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Grade Mode: Normal Grading Mode

HIN 688 Independent Study 1-4 Credit hours

Independent Study relates to projects that do not fall specifically within an individual department's curriculum.

Grade Mode: Normal Grading Mode