HEALTH INFORMATION TECHNOLOGY (HI)

HI 101 C Health Information Management **3 Units**

Prerequisite(s): CIS 111 C with a minimum grade of C or better and acceptance in the Health Information Technology Program

Term hours: 36 lecture and 54 laboratory. This course investigates the content, use and structure of health care data and data sets and how these components relate to primary and secondary health information systems across the healthcare delivery system. Emphasis is on medical record documentation requirements pursuant to federal/state regulations and voluntary accrediting body standards. Discussions will focus on regulatory issues, documentation requirements, quality and utilization management, risk management and the role of the HIM professional in healthcare delivery. Laboratory activities will include use of electronic health records; assembly and analysis of medical records; and reading and interpreting medical records and researching healthcare documentation requirements. $4 materials fee payable at registration. (CSU)

HI 102 C Legal Aspects of Health Care **3 Units**

Prerequisite(s): Acceptance in the Health Information Technology Program.

Term hours: 54 lecture. The focus of this course is on the legal and ethical issues affecting health care industry, health care providers, and health information managers. State laws, federal regulations, and case precedents form the basis for class discussion. Topics include tort law, confidentiality, release of protected health information (PHI), informed consent, corporate compliance, patient rights, negligence and medical malpractice, contract and labor law, ethics and Medical Staff Organization. Special emphasis is placed on HIPAA Privacy and Security Rules and Measures to safeguard against disclosure of PHI. (CSU)

HI 103 C Healthcare Data Analysis **3 Units**

Prerequisite(s): HI 101 C and STAT C1000 (MATH 120 C) or MATH 120PC with grades of C or better

Term hours: 36 lecture and 54 laboratory. This course focuses on the effective collection, presentation, and verification of healthcare data necessary for the preparation of administrative and clinical reports. The role of data in clinical research, vital statistics, and epidemiology will be discussed. Laboratory activities will focus on manual and automated data presentation techniques and on the interpretation and analysis of healthcare data. The role of the health data information professional in transforming data into meaningful information for use in clinical and financial decision-making will be stressed. Data reliability and validity is emphasized. (CSU)

HI 114 C Beginning ICD-10-CM and ICD-10-PCS Coding **3 Units**

Prerequisite(s): BIOL 210 C and HI 101 C and HS 145 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course covers the principles of nomenclature and classification systems and includes ICD 10-CM and ICD 10-PCS. The focus is on coding and abstracting diagnostic and procedural data needed for clinical and administrative decision-making, financial reimbursement and research. (CSU)

HI 116 C Health Information Technology Pharmacology **2 Units**

Prerequisite(s): Acceptance in Health Technology/Medical Program

Lecture 36 hours

This course is an introduction for Health Information Technology on the pharmacology concepts used in the Health Information Technology profession. This course will concentrate on medical conditions and the relation of drugs to major body systems including the fundamentals of current drug therapy, adverse effects and interactions that medications can produce. (CSU)

HI 214 C CPT-Ambulatory Care Coding **3 Units**

Prerequisite(s): HI 114 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course focuses on the principles and mechanics of coding procedures according to Current Procedural Terminology and its relationship to the Health Care Common Procedure Coding System (HCPCS). This course will address the requirements for diagnostic and procedure coding in ambulatory care including hospital outpatient, outpatient surgery and physician office. In the laboratory, students will solve coding problems using operative reports and encoding software. (CSU)

HI 224 C Advanced ICD-10-CM and ICD-10-PCS Coding **3 Units**

Prerequisite(s): HI 114 C and HS 147 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course covers advanced concepts in ICD-10-CM & ICD-10-PCS and its application to the hospital inpatient prospective payment system are discussed. Lecture will focus on the structure of the Medicare-Severity diagnostic related groups; interpretation of laboratory and radiologic findings; pharmacology; and Official Coding Clinic guidelines. Laboratory activities will include coding medical records of the most common diagnostic related groups using automated encoders. $4 materials fee payable at registration. (CSU)

HI 225 C Information Technology **3 Units**

Prerequisite(s): CIS 111 C and HI 101 C with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course explores information and communication technologies used to deliver and document health care that facilitate interoperable health information exchange between and among health care providers. Emphasis is on the implementation of certified electronic health records by hospitals and physicians and how organizations meet the Centers for Medicare and Medicaid Services meaningful use criteria. Discussions focus on personal health records, patient portals, telemedicine, e-prescribing, clinical decision support systems and networking technologies that store, protect, retrieve, and transfer clinical, administrative, and financial information within health care settings. Lab activities center on using electronic health records software; creating and analyzing data in Excel spreadsheets; creating and querying Microsoft Access databases; using Visio and Microsoft Project scheduling tools and evaluating personal health record applications. (CSU)

HI 226 C Revenue Cycle Management **3 Units**

Prerequisite(s): HI 114 C and HI 214 C with a grade of C or better

Corequisite(s): HI 224 with a grade of C or better

Term hours: 36 lecture and 54 laboratory. This course will examine the Revenue Cycle Management process, and the advanced concepts of healthcare reimbursement methodologies. This course will differentiate between the Medicare-Medicaid Perspective Payment for Inpatients (IPPS), Ambulatory (OPPS), Post-acute care, and other reimbursement systems. This course will explore the financing of health care, claims management and value-based purchasing. (CSU)

HI 230 C Directed Practice I **3 Units**

Prerequisite(s): HI 101 C and HI 102 C, with a grade of C or better

Term hours: 18 lecture and 108 laboratory. This course is an investigation of the compo0nents of the content, use, and structure of health care data and data sets in the following alternative health care settings: long term care, home health, hospice, ambulatory care, and behavioral health and rehab services. Emphasis is on analyzing the content of the health record and documentation requirements pursuant to federal and state regulations and voluntary accrediting body standards. Discussions will focus on the opportunities for health information management professional in these different settings. (CSU)

HI 240 C Directed Practice II **4 Units**

Prerequisite(s): Admission to the HIT Program, HI 102 C, HI 103 C, HI 114, and HI 230 C with grades of C or better

Term hours: 36 lecture and 108 laboratory. This course will focus on the basic principles of organization of health information management department; supervision of human resources in order to develop effective skills in leadership, motivation and team-building techniques; project management and marketing health information management services. Discussions focus on directed practice activities which emphasize the collection, analysis and presentation of health care data; quality improvement functions, and review for the Registered Health Information Technology credentialing exam. During the semester, students are assigned to an affiliated health-related agency for supervised directed practice. Students shall have the status of learner and shall not be considered agency employees, nor shall they replace agency staff. Directed practice is conducted as a unpaid, laboratory experience. (CSU).

HI 245 C Coding Skills Lab **1-2 Units**

Prerequisite(s): Completion of or concurrent enrollment in HI 204 C with a grade of C or better

Advisory: Employed as a health information coder in a health care agency

Term hours: 54-108 laboratory depending on units attempting. The focus of this course is one of assisting the students in the development of coding skills and the application of those skills to different types of medical records. Students will code inpatient, emergency department, outpatient surgery, and referred outpatient medical records using ICD-10-CM, ICD 10-PCS, CPT and the Healthcare Common Procedure Coding System (HCPCS). The process of interpreting medical record information, choosing the required coding classification and assigning and sequencing codes correctly will be addressed. This course will provide an opportunity for students in the Health Information Technology and Health Information Coding Specialist Programs to demonstrate competencies required for completion of each program. Computer assisted instruction and automated encoders will be used within the course. This course may also be taken to update coding skills. Course may be taken four times for credit. $4 materials fee payable at registration. Open Entry/Open Exit. Pass/No Pass option only. (CSU)

HI 299 C HI Tech Independent Study **0.5-2 Units**

Prerequisite(s): Approved Independent Study Learning Contract

Term hours: 9-36 lecture depending on units attempted. This course is designed for students enrolled in the Health Information Technology program or its options who wish to increase their knowledge and experience in applied areas. Students will participate in independent study in assigned areas under staff supervision. May be taken for credit 4 times. Pass/No Pass/Letter Grade Option. (CSU)