I. Overview

The following information will appear in the 2009 - 2010 catalog.

MDAST-354 Intermediate Medical Coding/ICD9CM

Advisory: Before enrolling in this course, students are strongly advised to satisfactorily complete MDAST 321 satisfactorily complete MDAST 352 satisfactorily complete MDAST 353

Continued development in various settings where ICD-9-CM is used, such as specialties, physician offices, medical group practices, medical clinics, billing companies and hospitals. Fundamental skills include ICD-9-CM coding, guidelines/conventions, use of the ICD-9-CM manual, and numerous coding exercises (including excerpts from actual patient records). Course is repeatable - up to 3 units allowed. Field trips might be required. Course is applicable to the associate degree.

II. Learning Context

Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. Course Content

1. Required Content:

   A. ICD Manual
      1. Format and conventions used in the ICD-9-CM.
      2. Volume 1: Tabular
      3. Volume 2: Alphabetic Index
      4. Volume 3: Procedures
   B. Using the ICD-9-CM
      1. General guideline
      2. Special types of codes
      3. Chapter specific coding
      4. Coding guidelines for outpatient services
      5. Diagnostic coding and reporting requirements for physician billing
   C. Reimbursement
      1. Medicare
      2. In-patient diagnosis-related groups (DRG’s).
      3. Peer review organization
      4. Out-patient resource-based relative value scale (RBRVS)
      5. Ambulatory patient groups
      6. Managed health care concepts

B. Enrollment Restrictions

1. Advisories

Before enrolling in this course, students are strongly advised to satisfactorily complete MDAST 321 satisfactorily complete MDAST 352 satisfactorily complete MDAST 353

C. Hours and Units

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### D. METHODS OF INSTRUCTION (TYPICAL)

_Instructors of the course might conduct the course using the following method:_

1. Presentation and demonstration of coding.
2. Examples of coding will be reviewed.
3. Students will then practice coding exercises in class using ICD coding book.
4. Students will be assigned coding exercises to complete.
5. Assignments will be discussed and corrected.

### E. ASSIGNMENTS (TYPICAL)

1. **EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS**
   
   _Time spent on coursework in addition to hours of instruction (lecture hours)_

   a. Prepare for unit quizzes, midterm, and final exam.
   b. Weekly reading assignments and workbook assignments.
   c. Weekly coding exercises to complete as homework.

2. **EVIDENCE OF CRITICAL THINKING**
   
   _Assignments require the appropriate level of critical thinking_

   a. Typical coding assignment: Please code the following: Dementia due to Alzheimer's.
   b. Typical coding assignment: Please code the following: chronic back pain.
   c. Typical exam question: What is the difference between a surgical and nonsurgical debridement?
   d. Typical exam question: What is the DSM book?

### F. TEXTS AND OTHER READINGS (TYPICAL)

2. Other: ICD9CM code book 3 volumes current year

### III. DESIRED LEARNING

#### A. COURSE GOAL

_As a result of satisfactory completion of this course, the student should be prepared to:_

Sit for the National Certification Exam for coding.

#### B. STUDENT LEARNING GOALS

_Mastery of the following learning goals will enable the student to achieve the overall course goal._
1. **Required Learning Goals**  
   *Upon satisfactory completion of this course, the student will be able to:*
   
a. List the purposes of the ICD-9-CM.

b. Apply coding conventions when assigning codes.

c. Identify characteristics of Volumes 1, 2, and 3.

d. Understand the official coding principles.

e. Assign ICD-9-CM codes to the highest level of specificity.

2. **Lab Learning Goals**  
   *Upon satisfactory completion of the lab portion of this course, the student will be able to:*
   
a. 

IV. **METHODS OF ASSESSMENT (TYPICAL)**

A. **FORMATIVE ASSESSMENT**


2. Homework coding exercises.

3. Midterm exam, including demonstration of accurate coding.

B. **SUMMATIVE ASSESSMENT**

1. Final exam, including coding assignments in which students code authentic physician records.

2. Final exam, including coding assignments in which students must judge whether their coding is accurate.

3. Final exam, including coding assignments in which the students must use problem-solving ability.