

**MA 167 Course Outline as of Fall 2022****CATALOG INFORMATION**

Dept and Nbr: MA 167 Title: BASIC DIAG CODING

Full Title: Basic Diagnostic Coding

Last Reviewed: 2/28/2022

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: MA 167A

**Catalog Description:**

In this course, students will be introduced to basic International Classification of Diseases, 10th Edition, Clinical Modification (ICD-10-CM) coding. Students will utilize their knowledge of medical terminology, disease process, and human anatomy and physiology to convert diagnostic statements into alpha-numerical codes. As each body system is studied, basic coding guidelines and logic will be presented as alpha-numeric diagnoses.

**Prerequisites/Corequisites:**

Course Completion of HLC 160, LIR 10, PSYCH 1A, ANAT 140, and HLC 140; AND Concurrent Enrollment in MA 160, MA 161, MA 162, and MA 163

**Recommended Preparation:**

Eligibility for ENGL 1A or equivalent

**Limits on Enrollment:****Schedule of Classes Information:**

Description: In this course, students will be introduced to basic International Classification of Diseases, 10th Edition, Clinical Modification (ICD-10-CM) coding. Students will utilize their knowledge of medical terminology, disease process, and human anatomy and physiology to

convert diagnostic statements into alpha-numerical codes. As each body system is studied, basic coding guidelines and logic will be presented as alpha-numeric diagnoses. (Grade or P/NP)

Prerequisites/Corequisites: Course Completion of HLC 160, LIR 10, PSYCH 1A, ANAT 140, and HLC 140; AND Concurrent Enrollment in MA 160, MA 161, MA 162, and MA 163

Recommended: Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Accurately code diagnoses utilizing the International Classification of Disease Manual (ICD 10-CM).

### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Demonstrate accurate use of ICD-10-CM coding system through proper utilization of its characteristics and conventions.
2. Cite and apply basic ICD-10-CM coding guidelines and rules.
3. Code diagnoses related to all major body systems using ICD 10-CM Index and Tabular List.
4. Apply anatomical principles as they relate to the major body systems.
5. Demonstrate Medical Terminology comprehension and application.
6. Explain the Code of Ethics as outlined by American Health Information Management Association (AHIMA).

### **Topics and Scope:**

- I. Introduction To ICD-10-CM Coding
  - A. History of coding
  - B. International Classification of Disease (ICD) Systems
- II. Characteristics and Conventions of ICD-10-CM Coding
  - A. Organization of alphabetical index, including nonessential modifiers
  - B. Organization of tabular list
  - C. Code format and structure

1. placeholder character
2. seventh character
- D. ICD-10-CM conventions
  1. abbreviations and punctuation marks, such as NEC, NOS, parentheses, and slanted brackets
  2. instructional notes, including excludes1 note and excludes 2 note
  3. etiology, manifestation, and multiple coding, including "code first," "code also," and "use additional code"
  4. cross reference terms and connecting words
- III. General Coding Guidelines, Including Basic Steps of ICD-10-CM Coding
- IV. Coding Certain Infectious and Parasitic Diseases
  - A. Sepsis, severe sepsis, and septic shock
  - B. Human immunodeficiency virus (HIV) disease
  - C. Bacterial and viral infectious agents
- V. Neoplasm Coding
  - A. Neoplasm behavior
  - B. Introduction to and use of the Neoplasm Table
  - C. Alphabetic index instructions for neoplasm coding
  - D. Tabular list instructions for neoplasm coding
  - E. Primary and secondary site determination
- VI. Coding Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism
  - A. Anemias
  - B. Coagulation defects
- VII. Coding Endocrine, Nutritional, and Metabolic Diseases
  - A. Diabetes mellitus type 1 and type 2 and associated complications
  - B. Metabolic disorders
- VIII. Coding Mental, Behavioral, and Neurodevelopmental Disorders
  - A. Alcoholism and alcohol abuse and use
  - B. Drug dependence and abuse
  - C. Other mental, behavioral, and neurodevelopmental disorders such as schizophrenia,bipolar, generalized anxiety, eating disorders
- IX. Coding Diseases of the Nervous System
  - A. Meningitis
  - B. Sleep disorders
  - C. Alzheimer's disease
  - D. Pain
  - E. Cerebral palsy and other paralytic syndromes
  - F. Epilepsy
  - G. Migraine headache
- X. Coding Diseases of the Eye and Adnexa
  - A. Conjunctivitis
  - B. Cataract
  - C. Glaucoma
- XI. Coding Diseases of the Ear and Mastoid Process
  - A. Otitis media
  - B. Mastoiditis
  - C. Otosclerosis
  - D. Meniere's disease
  - E. Vertigo
  - F. Hearing loss
- XII. Coding Diseases of the Cardiovascular System

- A. Hypertension
  - 1. benign versus malignant
  - 2. introduction to and use of the hypertension table
  - 3. hypertensive heart disease
  - 4. hypertensive kidney disease and chronic kidney disease (CKD)
  - 5. hypertensive heart disease and CKD
  - 6. secondary hypertension
- B. Ischemic heart disease
  - 1. acute myocardial infarction (AMI) and 5th digit subclassification
  - 2. old myocardial infarction (MI)
  - 3. angina, atherosclerosis, and coronary artery disease (CAD)
- C. Heart failure and cardiac arrest
- D. Arrhythmias
- E. Cerebrovascular disease such as carotid artery stenosis and cerebrovascular accident (CVA)
- XIII. Coding Diseases of the Respiratory System
  - A. Acute upper respiratory infections
  - B. Influenza
  - C. Pneumonia
  - D. Acute lower respiratory infections such as acute bronchitis
  - E. Chronic lower respiratory infections such as emphysema, COPD, asthma
  - F. Respiratory failure
- XIV. Coding Diseases of the Digestive System
  - A. Gastrointestinal ulcers and presence of helicobacter pylori (H. pylori)
  - B. Hernias, including reducible, irreducible, incarcerated, and strangulated
  - C. Gastroenteritis and cholelithiasis
  - D. Gastrointestinal hemorrhage
- XV. Coding Diseases of the Skin and Subcutaneous Tissue
  - A. Cellulitis and abscesses
  - B. Dermatitis and eczema
  - C. Urticaria and erythema
  - D. Pressure/decubitus ulcers and non-pressure ulcers
- XVI. Coding Diseases of the Musculoskeletal System and Connective Tissue
  - A. Direct versus indirect infection of joint
  - B. Seventh characters
  - C. Arthritis
  - D. Systemic lupus erythematosus
  - E. Dorsopathies, such as kyphosis, lordosis, and scoliosis
  - F. Spondylopathies, such as ankylosis, spondylosis, and spinal stenosis
  - G. Osteoporosis
  - H. Pathologic and stress fractures - Osteomyelitis
- XVII. Coding Diseases of the Genitourinary System
  - A. Hematuria
  - B. Acute kidney failure and chronic kidney disease
  - C. Cystitis
  - D. Benign prostatic hypertrophy (BPH) and lower urinary tract symptoms (LUTS)
  - E. Disorders of breast
  - F. Inflammatory and noninflammatory diseases of female genital tract such as oophoritis, endometriosis, female genital prolapse
  - G. Dysplasia
  - H. Menopause
- XVIII. Coding Symptoms, Signs, and Abnormal Clinical and Laboratory Findings
  - A. Symptoms and signs, including those that are and are not an integral part of the disease

- process
- B. Coma scale
- C. Altered mental status
- D. Abnormal findings
- E. Papanicolaou test (Pap smear) findings
- F. Abnormal tumor markers
- XIX. Injury Coding
  - A. Placeholder character
  - B. Seventh character
  - C. Traumatic fracture
  - D. Fracture types such as closed and open, displaced and nondisplaced, greenstick, transverse, and comminuted
  - E. Malunion and nonunion of fracture
  - F. Dislocations and subluxations
  - G. Intracranial injuries
  - H. Internal organ injuries
  - I. Open wounds and crush injuries
  - J. Burns and corrosion, of all degrees, with extent of burns
  - K. Superficial injuries
  - L. Foreign bodies
- XX. Coding Poisoning and Certain other Consequences of External Causes
  - A. Introduction to Table of Drugs and Chemicals
  - B. Adverse effect definition and common causes
  - C. Instructions for coding adverse effects
  - D. Unspecified adverse effect of a drug
  - E. Poisoning definition and common causes
  - G. Under dosing
  - H. Toxic effects
  - I. Adult and child abuse, neglect, and other maltreatment
  - J. Complications of surgical and medical care including mechanical complications and transplant complications
- XXI. Coding of External Causes of Morbidity
  - A. Introduction to the Alphabetic Index to External Causes
  - B. Seventh character
  - C. Purpose of external cause codes
  - D. Sequencing of external cause codes
  - E. Never events (serious reportable events)
- XXII. Coding the Factors Influencing Health Status and Contact with Health Services
  - A. Purpose and use of Z codes
  - B. Main terms leading to Z codes
  - C. Z code categories
- XXIII. Coding Ethics
  - A. AHIMA code of ethics
  - B. AHIMA standards of ethical coding

**Assignment:**

1. Homework problems: 20-50 coding problems, demonstrations, vocabulary, and key terms assigned at each class meeting
2. 10-25 pages of reading assigned at each class meeting
3. Quizzes (2-4)
4. Final exam

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Key terms, vocabulary

Writing  
5 - 10%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Coding problems

Problem solving  
20 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Coding demonstrations

Skill Demonstrations  
20 - 30%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes, final exam

Exams  
45 - 55%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

## Representative Textbooks and Materials:

ICD-10-CM Codebook. AMA. Current

Principles of ICD-10-CM Coding. Grider, Deborah. AMA. Current edition