ICD-9/CPT CODING
Course Syllabus

Course Number: MIC-A0029           OHLAP Credit: No
OCAS Code: None
Course Length: 180 Hours
Career Cluster: Business, Management & Administration
Career Pathway: Administrative & Information Support
Career Major(s): Medical Insurance Coder

Pre-requisite(s): Foundations of Medical Office Assistant/Medical Terminology, Medical Insurance, and Patient Billing

Course Description: This course introduces the basic principles and conventions of the International Classification of Diseases (ICD) as well as Current Procedural Terminology (CPT) coding. It simulates the application of coding principles with examples and exercises based on actual case documentation.

Workbook for ICD-9-Cm Coding, by Lovassen, Elsevier Publishing (2013)
*Coding manuals are updated annually and correspond to the current year.
Various supplemental materials.

Course Objectives: A. Utilize Appendices.
1. A-D Descriptions
2. Definitions

B. Explain Coding Process.
1. Identify the 5 steps to basic coding.
2. Determine the diagnoses codes for the following situations: surgery for a scar, and burn to a hand.
3. Determine the E codes for the following situations: vehicle accident, motorcycle accident, hair tourniquet, assault with a BB gun, and assault with a
C. **Understand CPT Coding.**
   1. Identify and define symbols used in the CPT book.
   2. Define and determine unbundling.
   3. Determine which codes including modifiers that may be used for the following situations: emergency room physician splinting both arms, handling specimens for transfer between physicians office to lab, computer-assisted total knee replacement using fluoroscopic imaging techniques, follow-up wound care dressing, digital nerve block, unlisted mucous membrane surgical procedure, initial reducible inguinal hernia report and orchiopexy via inguinal approach, anesthesia for blepharoplasty, excised lateral ¼ of a toe nail with scissors and performed matrixectomy using electrocautery, and physician visit at nursing care facility.
   4. Determine which section of the CPT manual for the following: laryngoscopy, and injection procedure for a cardiac catheterization.
   5. Define how anesthesiologists bill units of service based on time.
   6. Define brachytherapy in reference to radiation oncology.

D. **Explore Diagnostic Coding.**
   1. Determine the purpose of diagnostic coding.

E. **Understand E Codes.**
   1. Identify when to use E codes.

F. **Demonstrate Knowledge of ICD Basics.**
   1. Determine the codes and sequences for the following situations: infected blister to the right leg, chondrocalcinosis of shoulder due to calcium pyrophosphate, and hyperphenylalaninemia.

G. **Explain the Link Between Codes and Medical Billing.**
   1. Identify how CPT and ICD-9-CM codes are used in medical billing.

H. **Practice Coding.**
   1. Determine the diagnostic codes for the following situations: decreased libido, cirrhosis of the liver due to alcohol dependence with continuous alcohol use, Pregnancy complications due to hypertension, late effects, Oat cell carcinoma of the right upper lobe of the lung with metastasis to the brain and bone.
   2. Determine the procedural codes for the following situations: laparoscopic removal of six intramural myomas with a total weight of 300 grams; transabdominal amniocentesis; gastric saline load test; radionuclide ventilation perfusion lung scan; glucose tolerance test for five hours; hospital consultation with multiple substance abuse and mental health issues; critical care; rapid test to detect antigens for influenza by immunoassay method; physician visit for post-partum care for another physician; dilantin toxicity; rapid Strep-A test to detect Streptococcal pharyngitis; hypokalemia; administer a 1,000 cc IV of 45 normal saline; ER visit for sexually active 14 year old vaginal discharge, afebrile and denies abdominal or back pain.
   3. Determine which modifiers are used for unusual anesthesia.
   4. Determine the E/M codes based on the levels of complexity, decision making, and patient history.
   5. Determine the code range for neoplasms.
   6. Use the neoplasms table to determine appropriate codes.
   7. Use the drug and chemical table to determine appropriate codes for poison.
ICD-9/CPT CODING

and external causes.¹
8. Determine and define physical status modifiers.¹
9. Determine when cardiac arrest would be the principal diagnosis.¹
10. Determine E codes for vehicle accidents.¹

I. Using the ICD-9-CM.
1. Determine the diagnostic codes for the following situations: admitted to hospital with staphylococcus aureus septicemia with systematic inflammatory response syndrome with no signs of renal failure or other organ failure, ADHD, and halitosis.¹
2. Define the purpose of NEC.¹
3. Determine the clinical findings that are indicative to congestive heart failure.¹
4. Identify the correct identification for ICD-9-CM.¹
5. Define the newborn period.¹
6. Determine the procedures used in the normal delivery code 650.¹
7. Match the diagnostic code to the appropriate procedure.¹

J. Understand V Codes.
1. Determine when to use V codes.¹

¹ODCTE objectives

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy percent (70%) or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.