Montgomery County Community College
HCP 230
CPT Coding and Reimbursement Methods
4-4-0

COURSE DESCRIPTION:
This course is designed to expand student knowledge of medical codes used in billing and reimbursement with emphasis on Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS) II and the Ambulatory Payment Classifications (APCs) classification systems. The use of diagnosis and procedure codes for professional services reimbursement and coding systems for reimbursement will be analyzed.  The relationship between these coding systems will be explored as well as the coding systems used by non-physician medical suppliers and for durable medical equipment. Students will explore the components of the major insurance companies and their impact on billing and reimbursement.

REQUISITE(S):
Previous Courses
REA 011 Fundamentals of College Reading or ESL/ REA 017 Vocabulary & Reading Comprehension Development II

Previous or Concurrent Courses
HCP/MAS/BIO 104 The Human Body in Health and Disease **OR** BIO 131 Human Anatomy and Physiology I **AND** BIO 132 Human Anatomy and Physiology II
HCP 224 Medical Terminology
HCP 226 Principles of Medical Coding I


Upon successful completion of this course, the student will be able to:

| LEARNING OUTCOMES | LEARNING ACTIVITIES | EVALUATION METHODS |
|---|---|---|
| 1. Discuss the components of the major insurance programs. | Lecture<br>Multimedia Demonstrations<br>Software Applications<br>Written Assignment<br>Small Group Projects | Quizzes and Exams<br>Assignments<br>Discussion Questions |
| 2. State the impact of the major insurance providers and programs on provider reimbursement. | Lecture<br>Multimedia Demonstrations<br>Software Applications<br>Written Assignment<br>Small Group Projects | Quizzes and Exams<br>Assignments<br>Discussion Questions |
| 3. Discuss the Legal aspects of health insurance and reimbursement and | Lecture<br>Multimedia Demonstrations<br>Software Applications<br>Written Assignment | Quizzes and Exams<br>Assignments<br>Discussion Questions |

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| coding compliance Programs | Small Group Projects | |
| 4. Compare and contrast professional and facility billing systems. | Lecture Multimedia Demonstrations Software Applications Written Assignment | Quizzes and Exams* Assignments Discussion Questions |
| 5 Discuss the significance of procedure and diagnosis coding in professional and facility systems, including the impact of HIPAA on medical coding. | Lecture Multimedia Demonstrations Software Applications Written Assignment Small Group Projects | Quizzes and Exams Assignments Discussion Questions |
| 6. Discuss the prospective payment systems used in inpatient and outpatient facilities. | Lecture Multimedia Demonstrations Software Applications Written Assignment Small Group Projects | Quizzes and Exams Assignments Discussion Questions Case Studies |
| 7. State the structure of the APC system and explain its relationship to CPT. | Lecture Multimedia Demonstrations Software Applications Written Assignment | Quizzes and Exams Assignments Discussion Questions |
| 8. Use level II HCPCS codes, CPT codes and procedure modifiers. | Lecture Multimedia Demonstrations Software Applications Written Assignment Small Group Projects | Quizzes and Exams Assignments Discussion Questions |
| 9. Explain the concept of a "surgical package" and the "surgical global period." | Lecture Multimedia Demonstrations Software Applications Written Assignment Small Group Projects | Quizzes and Exams Assignments Discussion Questions |

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Director of Educational Effectiveness. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

SEQUENCE OF TOPICS
1. Medical Insurance: Government programs, Medicare, Medicaid, TRICARE, and Workers Compensation,
2. Medical Insurance: Private insurance, PPO, HMO, consumer-driven plans
3. The Impact of Insurance on Provider Billing and Reimbursement
4. Electronic Health Records, HIPAA, and HITECH: Sharing and Protecting Patients' Health Information

5. Visit Charges and Compliant Billing, Preparing and Transmitting Health Care Claims
6. Revenue Cycle Management
7. Legal Aspects of Health Insurance and Reimbursement and Coding Compliance Programs,
8. Clinical Documentation Improvement, Coding for Medical Necessity
9. CMS Reimbursement Methodologies, The CMS 1500 form; medical necessity
10. Payments, appeals, and secondary insurance
11. Facility billing for outpatient claims; ambulatory payment classifications (APCs); the outpatient prospective payment system
12. Facility billing for inpatient claims; diagnoses and procedures; diagnosis-related groups (DRGs); the inpatient prospective payment system
13. Present on admission (POA) guidelines; the UB-04 form
14. ICD and CPT Coding Guidelines
15. The Healthcare Common Procedure Coding System (HCPCS); Format and Conventions for CPT; Evaluation and Management Services, Modifiers
16. Surgery Coding : Integumentary and Musculoskeletal System
17. Surgery Coding: Respiratory System, Cardiovascular System, Digestive System
18. Surgery Coding: The Hemic/Lymphatic System Mediastinum/Diaphragm;
19. Surgery Coding: Urinary, Male Genital
20. Surgery Coding: Reproductive System, Female Genital System and Maternity Care/Delivery
21. Surgery Coding: Endocrine Systems and Nervous System
22. Surgery Coding:; Eye and Auditory Systems
23. Coding for Radiology, Pathology and Laboratory, Medicine and Anesthesia


LEARNING MATERIALS:
Bowie, MJ. Understanding Current Procedural Terminology & HCPCS Coding Systems (Current Edition).

Green, M. Understanding Health Insurance: A Guide to Billing & Reimbursement (Current Edition). Cengage.

Exam Book Bundle (CPT, HCPCS, ICD-10-CM) (Current Edition). AACP.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:
Prepared by: Christine Staropoli and Kathleen Schreiner     Date: 11/21/2013
VPAA/Provost Compliance Verification:                         Date: 1/29/2014

Victoria L. Bastecki-Perez, Ed.D.

Revised by: Kathy Schreiner                                Date: 11/1/2018
VPAA/Provost or designee Compliance Verification:
      Victoria L. Bastecki-Perez, Ed.D.                        Date: 11/1/2018

Revised by: Kathy Schreiner, Ann Dillard, Ann Forrestal        Date: 11/16/2021
VPAA/Provost or designee Compliance Verification:
      Gloria Oikelome, Ed.D.                                Date: 11/17/2021

Revised by: Ann Forrestal                                Date: 5/7/2024
VPAA or designee Compliance Verification:                        Date: 5/7/2024

*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*