

# MEDICAL CODING (MDCD1-CE)

## MDCD1-CE 9001 Anatomy and Physiology I (4 Credits)

Gain an introduction to the structure and function of the human body. Physiology is among the most fascinating and challenging areas of science, as it is the study of body function at the molecular, cellular, organ, and systemic levels. This course emphasizes how cells and tissues form organ systems—the mechanism of disease—and it provides an overview of several specific systems: the integumentary system and body membranes, the skeletal system, the muscular system, the nervous system, the senses, the endocrine system, and blood.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9002 Introduction to HIM and Medical Terminology (4 Credits)

Health information management (HIM) is a diverse profession that incorporates medicine, management, finance, information technology, and regulation and compliance. Medical terminology is the language of medicine that describes the human body and associated components, conditions, and processes. This course illustrates the importance of HIM professionals in various settings and helps you to prepare to code accurately and effectively using the ICD-10-CM/PCS code set with a complete understanding of relevant medical terminology.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9003 Pathophysiology and Pharmacology for Coders (5 Credits)

Examine the phenomena that produce alterations in human physiological function and resulting human response. Understand pathophysiological changes, including how pathological processes are manifested and how they progress in the body. Medical pharmacology provides a basic knowledge of the manner in which drugs modify biological function. Explore the effects of drugs on different organ systems and disease processes; the mechanisms by which drugs produce their therapeutic and toxic effects; and the factors influencing their absorption, distribution, and biological actions.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9004 Anatomy and Physiology II (4 Credits)

This course continues to provide an introduction to the structure and function of the human body. Physiology is among the most fascinating and challenging areas of science, as it is the study of body function at the molecular, cellular, organ, and systemic levels. Examine the basics of nutrition, metabolism, fluid and electrolyte balance, and acid-base balance. Receive an overview of several specific systems, such as the heart and circulatory system, lymphatics and immunity, the respiratory system, the digestive system, and the urinary and reproductive systems.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9005 Reimbursement Methodology (2 Credits)

Learn the basics of medical insurance billing and current payment methodologies in the inpatient, hospital outpatient, and physician office settings. The focus of this course is on compliance with regulatory requirements and common billing practices.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9006 CPT-4 and Healthcare Common Procedure Coding System (3.5 Credits)

Gain in-depth knowledge of the CPT outpatient procedure coding system. Learn key concepts and guidelines for each chapter of CPT, enabling you to correctly code for both professional and facility procedures and medical services. Learn to code to the highest level of specificity by following chapter headings, subheadings, and coding tips documented throughout the text.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9007 ICD-10 Clinical Modification (6 Credits)

Prepare for the demanding and complex structure of the ICD-10-CM coding classification system. Explore the history and background of coding classification systems with a focus on ICD-10-CM. Learn key concepts and guidelines for each of the 21 chapters of ICD-10-CM. In this course, enhance your accuracy and ability to code so that you reach the highest level of specificity required by ICD-10-CM using realistic case studies.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9008 ICD-10 Procedure Classification System (6 Credits)

Prepare for the demanding and complex structure of the ICD-10 Procedure Classification System (PCS). This course provides the history and background of coding classification systems with a focus on ICD-10-PCS. Learn key concepts and guidelines for each chapter of ICD-10-PCS. Enhance your accuracy and ability to code to the highest level of specificity required by ICD-10-PCS using realistic case studies.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9009 Medical Coding Practicum (1 Credit)

Explore real-life case studies in the health information management field. Participate in industry-specific team exercises and simulations. Gain a firsthand understanding of the expectations of an ICD-10 coding professional.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9010 Applied CDI (1.5 Credits)

Develop your ability to apply clinical knowledge in the analysis and interpretation of medical records. Using case studies, examine clinical documentation improvement (CDI) methods and learn how to recognize problematic, conflicting, or ambiguous documentation. Understand query concepts, and learn how to formulate physician queries.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

## MDCD1-CE 9011 Principles of Clinical Documentation Improvement (1.5 Credits)

Understand the purpose of the Clinical Documentation Improvement Program (CDI) and the role of the Clinical Documentation Specialist (CDS). Learn the professional standards of clinical documentation improvement and understand how CDI programs work within the hospital systems. Obtain an understanding of CDI programs impact in areas of reimbursement, data quality, and compliance.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9012 ICD-9 Coding (3.5 Credits)**

This course provides the fundamentals of the International Classification of Diseases, 9th Edition. Learn the history and background of the coding classification system as well as key concepts and guidelines for ICD-9 coding. Enhance your accuracy and ability to code using realistic case studies.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9013 Introduction to the Revenue Cycle (2 Credits)**

This course will provide an overview of the revenue cycle by focusing on critical components, from patient scheduling and billing to claims follow-up. Learn the importance of accurate data capture and ways that it impacts revenue. Understand the billing process, the differences between physician and facility billing, managed care concepts, and reimbursement. Be prepared to translate clinical documentation into itemized bills.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9014 Foundations of Chart Audits (2.5 Credits)**

Gain a better understanding of revenue integrity audits. Explore the essentials of auditing in a variety of healthcare settings. This course provides an in-depth review of clinical documentation requirements, and regulatory and compliance guidance, for various medical and surgical specialties. Auditing tips are provided for each specialty area, as are available resources and tools. By the end of the course, be equipped with a tool kit to help you assess documentation sufficiency, charge accuracy, and identify compliance and revenue opportunities.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9015 Medical Coding for Clinical Auditors (2 Credits)**

This course provides an overview of medical coding for clinical auditors. Learn the diagnosis and procedure coding systems, as well as CPT outpatient procedure coding. Gain an understanding of modifiers and HCPCS Level II codes (implants/supplies/drugs/procedures), and learn why, and when, they are utilized. The course introduces diagnosis-related group (DRG) assignments for inpatient, ambulatory payment classification (APC), and physician fee schedule (PFS) systems for outpatient services. Key concepts and guidelines for these methodologies are reviewed.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9016 Regulatory Guidelines for Audit and Reimbursements (2.5 Credits)**

This course provides an overview of Medicare and Medicaid billing guidelines, as well as various auditing groups that help to ensure billing compliance for federal and state-sponsored healthcare plans. Learn more about the role of governmental healthcare compliance agencies and relevant laws. Gain an introduction to National and Local Coverage Determination guidelines and their impact on determining medical necessity.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9017 Reimbursement Concepts for Medical Auditors (2.5 Credits)**

This course provides an overview of Medicare and Medicaid billing guidelines, as well as of various auditing groups that help ensure billing compliance for federal and state-sponsored healthcare plans. Learn more about the role of governmental healthcare compliance agencies and relevant laws. Also, gain an introduction to national and local coverage determination guidelines and the impact on determining medical necessity.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9018 Chart Audits II (2.5 Credits)**

Building on the knowledge base provided in [Foundations of Chart Audits](https://www.sps.nyu.edu/professional-pathways/courses/mcd1-ce9014) this course focuses on additional medical and surgical specialty areas, providing regulatory and compliance guidance and in-depth review of clinical documentation requirements. Gain a better understanding of revenue integrity audits. Explore the essentials of auditing in a variety of healthcare settings. Auditing tips are provided for each specialty area, as are available resources and tools. By the end of the course, be equipped with a tool kit to help you assess documentation sufficiency, charge accuracy, and identify compliance and revenue opportunities.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9019 Medical Auditing Principles and Ethics (1.5 Credits)**

This course will focus on the role of an auditor in a variety of healthcare settings. Understand the importance of objectivity and independence in auditing. Explore HIPAA, HITECH, and other regulatory guidelines that impact the auditing profession. Learn the importance of billing accuracy and contract compliance.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9020 Certified Coding Specialist (CCS) Exam Preparatory (2 Credits)**

The Certified Coding Specialist (CCS) Exam Preparatory course prepares candidates for the AHIMA Certified Coding Specialist (CCS) credential exam, which demonstrates medical coding proficiency. This course is divided into modules based on the seven AHIMA coding domains—explicit sets of competencies on which the certification exam is based. Each module provides a comprehensive review of one specific domain, including coding of inpatient and outpatient hospital records, clinical documentation, reimbursement methodologies, data quality, regulatory issues, and compliance. This course also includes test-taking strategies, critical-thinking exercises, and multiple-choice and case study scenario questions to improve and strengthen the coding knowledge, proficiency, and skill set necessary to pass the CCS exam.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9021 Understanding Medicare Beyond the Basics (1.5 Credits)**

This course takes an in-depth look into Medicare plans and explores all coverage options available to Medicare patients. Learn how to determine patients' eligibility by assessing their needs and matching them to the criteria given by the federal government. This course would prove beneficial for anyone whose position requires an understanding of Medicare. It would be ideal for someone in a human resources position or for an employee of a health plan. Medicare Advantage organizations would find this course a convenient way to update or educate new and existing staff. Independent brokers considering marketing Medicare products, as well as social service counseling staff advising senior citizens, also would benefit. Staff members of any medical group or facility, as well as the managed care departments of hospitals, would benefit from this course. Estate lawyers and planning staff, financial planners, and retirement investment advisers also would find this course advantageous.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9022 Your Medicare Options (1 Credit)**

This course is targeted toward individuals who currently have Medicare and want to understand their coverage, individuals who are becoming eligible for Medicare, individuals who are looking to change their coverage and exploring new Medicare options, and those who are caring for family members who are eligible for or currently have Medicare coverage. This course is designed to help constituents learn the basics of Medicare, in addition to helping them pursue financial aid for various governmental assistance programs.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9023 How to Get Hired in Allied Health (1 Credit)**

This accelerated four-week course is tailored to helping you secure a position in the health information management (HIM) industry, including in clinical documentation improvement (CDI), reimbursement methodologies, medical coding, and management. CDI, reimbursement methodologies, and medical coding are all rapidly growing sectors within the HIM industry, which serves to validate accuracy and specificity in healthcare with the overall optimization of medical claims processing. Your skills and expertise are only as strong as your ability to sell them. You also need to know how to present yourself as an attractive potential employee in this exciting field. You will prepare and develop the skills necessary to highlight your proficiencies. This course has been developed and is taught in conjunction with experienced medical professionals in the industry who have experience as hiring managers. It is offered in-person, providing you with one-on-one mock interview experience. Upon completion of this course, you will be equipped to make a lasting impression on hiring managers and others throughout your job search in the HIM industry.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes

**MDCD1-CE 9101 Medical Coding Hands-on Experience (2 Credits)**

Medical Coding Hands-on Experience is designed for medical coding graduates. This course will provide 30 live coding hours for each student. In addition to live coding hours, students will participate in regularly scheduled didactic sessions to apply overarching coding theories to their practical experiences. Students also will receive direct feedback from the HIM director to ensure clear understanding of coding practices, theories, and principles. The purpose of this course is to gain more practical coding experience in a clinical environment and to prepare further for CPC or CCS certification exams. Students will receive one-on-one training and will be supervised by the HIM director at their designated medical facility.

According to AAPC and AHIMA (two certification bodies that administer the coding certification exams), medical coders must have experience in the field for one to two years before sitting for their exams. As a response to this requirement, NYUSPS is offering this course along with <https://www.sps.nyu.edu/professional-pathways/courses/mdcd1-ce9009> to help jump-start this process.

**Grading:** SPS Non-Credit Graded

**Repeatable for additional credit:** Yes