# ⚕ IIMC

Master the expertise required to become a Certified Medical Coding Professional. Introducing you to a more challenging and rewarding career....

Medical Coding professional's are in great demand both in India and abroad. As one of the fastest growing careers, advancement opportunities in health information technology continue to expand.

## Why Choose Medical Coding Career

Medical coding is an integral part of health care industry in countries such as US, UK, Canada, Australia, UAE etc.

- Competitive Salary: The very first reason that attracts many people to enter this role is salary. Medical coders perform a knowledge based job, due to which they are offered a great and attractive package.

- Job Stability: One of the fastest growing industry in india, U.S & across Globe.

- High Demand: Unlimited opportunities both in india and abroad. The Occupational Outlook Handbook, predicts a faster than average growth rate for this occupation - approximately 34% increase in the coming years.

- Rewarding Experience: career offers opportunity to grow as individual contributor as well as managerial path.

- Prestige: Become a member of the distinguished healthcare industry and opportunity to work with tier1 companies

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# ⚕ IIMC

## Medical Coding Training Program (CPC Training)

- **Anatomy & Physiology**
  Medical Terminology
  Prefix, Suffix, Abbreviations
  All human systems

- **CPT-4: Procedure Coding**
  Evaluation and Management Coding
  Anesthesia Coding
  Surgery Coding
  Radiology Coding
  Pathology Coding
  Medicine Coding
  Modifiers & Place of Service

- **ICD-10 CM**
  Introduction to medical coding
  Structure & conventions
  General Coding guidelines
  Chapter specific guideline

- **HCPCS Coding**

- **Medical Billing**
  Revenue Cycle Management
  HIPAA Training
  Medical Insurance

- **CPC Practice**
  CPC Previous Years Questions workout
  10 Sets ( 150x5) CPC Mock Exams

| | |
|---|---|
| Eligibility | : Graduation |
| Course Type | : Online or Classroom |
| Duration | : 3 Months |

Couse Materials Offered :

- Latest ICD 10- CM Coding Book
- Latest CPT Coding Book
- Latest HCPCS Coding Book

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# ⚕ IIMC

## Makes you a
## Certified Professional Coder

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## What is Medical Coding & Billing ?

Medical coding is the transformation of healthcare diagnosis, procedures, medical services, and equipment into universal medical alphanumeric codes. The diagnoses and procedure codes are taken from medical record documentation, such as transcription of physician's notes, laboratory, radiologic results, etc.

Medical coding professionals ensure the codes are applied correctly during the medical billing process, which includes abstracting the information from documentation, assigning the appropriate codes, and creating a claim to be paid by insurance carriers.

## What Education and Training Is Required to Become a Medical Coder?

It is necessary to have a solid foundation of anatomy, physiology, and medical terminology education, which can be obtained by earning the CPC® credential. Employers know CPCs® are individuals who can perform medical coding tasks with the utmost proficiency and excellence.

## Reasons to Enroll:

1. Success in passing: Students who complete this course are sure to pass the CPC exam.

2. Self-paced course convenient for work schedules: flexibility to complete course work at home on your own schedule.

3. Expert CPC certified faculties available to answer questions.

4. Low cost compared to other training program.

5. Hands on practice coding real world, redacted medical records using CPT®, ICD-10-CM and HCPCS Level II code sets.

## Why AAPC Certification ?

AAPC-certified professionals make 30% more than their uncertified colleagues*. Data reveals the more AAPC credentials you carry, the higher your salary. With a projected 20%+ increase in healthcare information jobs**, now is the time to get started on your new career. Classroom Training is designed specifically by healthcare professionals and instructors.

AAPC's medical coding education classes are offered around the country. Students of these classroom courses learn the fundamentals of medical coding and dissect real-world medical cases and charts to extract the most relevant information. All classes are handled by AAPC-approved instructors who have been trained in our exclusive Professional Medical Coding Curriculum (PMCC).

## How to start your career in Medical Coding?

IIMC's Medical Coding & Certification Training enables you to achieve comprehensive knowledge, skills and confidence to start a highly rewarding dream career in Healthcare domain.

## We are providing both

- Instructor lead online virtual classroom training
- Classroom training
  Chose what fit you best ...

### Training Methods



| 1 Instructor Lead Classes | 2 Mock exams using previous years exams |
| 4 100's of quizzes in each section | 3 Latest Coding book from AAPC for reference |

## Why IIMC ?

- Highly researched training materials make a successful medical coding specialist.

- CPC certified faculties having coding and training experience.

- Focused Training sessions, feedback and counseling by experienced faculties.

- Latest AAPC coding materials.

- User-friendly interactive modules.

- Flexible class timings.

- Chapter specific quizzes, self - evaluations and e-handouts.

- Instant feedback on tests and evaluations.

- Mock exams using previous years AAPC model questions.

- Focus on interview preparation.

* Notification about job requirements and medical coding related news to keep you up-to-date about Medical Coding domain.

| Course | Details |
|---|---|
| Code | ZYA181603 |
| Title | Advanced Diploma in Medical Coding |
| Degree | Undergraduate |
| Branch(s) | Zoology |
| Year/Semester | III/ V&VI |
| Type | **Add on course** |

| Credits | 8 | Hrs/Week | 4 | Total hours | 144 |
|---|---|---|---|---|---|

| *Objectives* | |
|---|---|
| 1 | To develop expertise in the various aspects of medical coding so as to compete with international arena to pursue their carrier |
| 2 | Strengthen the students to get job in reputed international organizations |

| CO No. | Expected Course Outcomes *Upon completion of this course, the students will be able to* | Cognitive Level | PSO No. |
|---|---|---|---|
| 1. | Understand Anatomy and Physiology and explain the relationship between Anatomy and Physiology | U | 3 |
| 2. | Analyze and synthesize their knowledge and skills to create effective anatomy teaching and learning tools | An | 4 |
| 3 | Understand the uniform reporting on claims or services that are medical in nature | U | 4 |
| 4 | Apply coding system to identify products, supplies and services | Ap | 4 |
| 5 | Apply anatomical terms to medical/surgical procedural coding. | Ap | 4 |
| 7 | Explain the use of General Equivalence Mappings (GEMS) in the coding transitions | U | 4 |
| *PSO-Program Specific outcome; CO-Course Outcome; Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E- Evaluate; C-Create | | | |

| *Teaching and Evaluation Methods* | |
|---|---|
| Teaching Methodology | Contact classes, ICT enabled teaching, Hands-on training Group discussions, Case studies, Field visit, workshops, Training in reputed institution in the concerned area |
| Evaluation Methodology | Written examination based on the syllabus, Practical and viva |

| Module | Course Description | Total Hrs | CO No. |
|--------|--------------------|-----------|--------|
| 1 | Human Anatomy & Physiology | 36 | |
| 1.1 | Introduction to Body Structure and Medical Terminology | 3hrs | 1 |
| 1.2 | Dermatology: The Skin | 3 hrs | 1 |
| 1.3 | Ophthalmology: The Eyes | 3 hrs | 1 |
| 1.4 | Otorhinolaryngology: The Ear, Nose, and Throat | 3 hrs | 1 |
| 1.5 | Pulmonology: The Respiratory System | 3 hrs | 1 |
| 1.6 | Cardiology: The Cardiovascular System | 3 hrs | 1 |
| 1.7 | Gastroenterology: The Digestive System | 3 hrs | 1 |
| 1.8 | Obstetrics and Gynecology: The Female Reproductive System | 3 hrs | 1 |
| 1.9 | Urology and Nephrology: The Genitourinary System | 3 hrs | 1 |
| 1.11 | Orthopedics: The Musculoskeletal System | 3 hrs | 2 |
| 1.12 | Neurology and Psychiatry | 3 hrs | 2 |
| 1.13 | Endocrinology and Metabolic Homeostasis | 3 hrs | 2 |
| 2 | **Healthcare Common Procedure Coding Systems (HCPCS)** | **36** | |
| 2.1 | Introduction | 1 hr | 3 |
| 2.2 | Symbols and Conventions | 1 hr | 3 |
| 2.3 | Instructions for Using This Manual | 1 hr | 3 |
| 2.4 | HCPCS Coding Procedures | 1 hr | 4 |
| 2.5 | New/Revised/Deleted Codes for 2018 | 1 hr | 3 |
| 2.6 | Deleted Codes Crosswalk | 1 hr | 3 |
| 2.7 | G Codes to CPT Codes | 1 hr | 4 |
| 2.8 | Anatomical Illustrations | 1hr | 3 |

| 2.9 | Index to Services, Supplies, Equipment, Drugs | 1 hr | 4 |
|------|-----------------------------------------------|------|---|
| 2.10 | Tabular List | 1hr | 3 |
| 2.11 | Transportation Service Including Ambulance | 1hr | 3 |
| 2.12 | Medical and Surgical Supplies | 1hr | 3 |
| 2.13 | Administrative, Miscellaneous and Investigational | 1hr | 4 |
| 2.14 | Enteral and Parental Therapy | 1hr | 3 |
| 2.15 | Outpatient PPS | 1 hr | 3 |
| 2.16 | Durable Medical Equipment | 1 hr | 3 |
| 2.17 | Procedures/Professional SErvices | 1hr | 3 |
| 2.18 | Alchohol and Drug Abuse Treatment | 1 hr | 3 |
| 2.19 | Drugs Administered Other than Oral Method | 1hr | 4 |
| 2.20 | Chemotherapy Drugs | 1hr | 3 |
| 2.21 | Durable medical equipment | 1 hr | 3 |
| 2.22 | Ortholic Procedures | 1 hr | 3 |
| 2.23 | Prosthetic Procedure | 1.5hrs | 3 |
| 2.24 | Medical services | 1.5 hrs | 3 |
| 2.25 | Pathology and laboratory services | 1.5 hrs | 3 |
| 2.26 | Temporary Codes | 1.5 hrs | 4 |
| 2.27 | Diagnostic Radiology | 1.5 hrs | 3 |
| 2.28 | Temporary National codes | 1.5 hrs | 3 |
| 2.29 | National Codes Established for State Medicaid Agencies | 1.5 hrs | 3 |
| 2.30 | Vision Services | 1.5 hrs | 3 |
| 2.31 | Hearing Services | 1hr | 3 |
| 2.32 | Appendix A to I | 1hr | 3 |
| **3** | **Medical Coding Current Procedural Terminology(CPT)** | **36** | |
| 3.1 | Introduction | 1 hr | 5 |

| | | | |
|---|---|---|---|
| 3.2 | Illustrated Anatomical and Procedural Review | 2 hrs | 5 |
| 3.3 | Evaluation and Management (E/M) Service Guidelines | 3 hrs | 5 |
| 3.4 | Evaluation and Management | 3 hrs | 5 |
| 3.5 | Anesthesia Guidelines | 3 hrs | 5 |
| 3.6 | Anesthesia | 3 hrs | 5 |
| 3.7 | Surgery Guidelines | 3 hrs | 5 |
| 3.8 | Surgery | 3 hrs | 5 |
| 3.9 | Radiology Guidelines (Including Nuclear Medicine and Diagnostic Ultrasound) | 3 hrs | 5 |
| 3.10 | Radiology | 3hrs | 5 |
| 3.11 | Pathology and Laboratory Guidelines | 3 hrs | 5 |
| 3.12 | Pathology and Laboratory | 3 hrs | 5 |
| 3.13 | Medical Guidelines | 3 hrs | 5 |
| **4** | **Medical Coding-** **International statistical Classification of Diseases ( ICD-10 CM)** | **36** | |
| 4.1 | Preface | 1 hr | 6 |
| 4.2 | List of Features | 1 hr | 6 |
| 4.3 | Practical Steps of Using ICD-- CM Book | 1 hr | 6 |
| 4.4 | Symbols and Conventions | 1 hr | 6 |
| 4.5 | Anatomical Illustations | 1 hr | 6 |
| 4.6 | ICD -10 CM | 1 hr | 6 |
| 4.7 | Certain Infectious and Parasitic Diseases | 1 hr | 6 |
| 4.8 | Neoplasms | 2 hrs | 6 |
| 4.9 | Diseases of the Blood and Blood -Forming Organs and Certain Disorders Involving the Immune Mechanism | 2 hrs | 6 |
| 4.10 | Endocrine, Nutritional and Metabolic  Diseases | 1 hr | 6 |
| 4.11 | Mental, Behavioral and Neurodevelopmental Disorders | 1 hr | 6 |
| 4.12 | Diseases of the Nervous System | 1 hr | 6 |

| 4.13 | Diseases of the Eye and Adnexa | 2hr | 6 |
|------|--------------------------------|-----|---|
| 4.14 | Diseases of the Ear and Mastoid Process | 1 hr | 6 |
| 4.15 | Diseases of the Circulatory System | 1hr | 6 |
| 4.16 | Diseases of the Respiratory System | 2 hrs | 6 |
| 4.17 | Diseases of the Digestive System | 1hr | 6 |
| 4.18 | Diseases of the Skin and Subcutaneous Tissue | 1 hr | 6 |
| 4.19 | Diseases of the Musculoskeletal System and Connective Tissue | 1 hr | 6 |
| 4.20 | Diseases of the Genitourinary System | 1 hr | 6 |
| 4.21 | Pregnancy, Childbirth and the Puerperium | 1 hr | 6 |
| 4.22 | Certain Conditions Originating in the Perinatal Period | 1 hr | 6 |
| 4.23 | Congenital Malformations, Deformations, and Chromosomal Abnormalities | 2hrs | 6 |
| 4.24 | Symptoms, Signs, and Abnormal clinical and Laboratory Findings, Not elsewhere classified | 2 hrs | 6 |
| 4.25 | Injury, Poisoning, and Certain other Consequences of External Causes | 2 hr | 6 |
| 4.26 | External Cause of Morbidity | 1 hr | 6 |
| 4.27 | Factors Influencing Health Status and Contact with Health Services | 1 hr | 6 |
| 4.28 | Appendix A | 1hr | 6 |
| 4.29 | Appendix B | 1 hr | 6 |

**REFERENCES**

1. Federative Committee on Anatomical Terminology (2008). Terminologia Histologica – International Terms for Human Cytology and Histology. Cardiff: Lippincott Williams & Wilkins.
2. Anatomy of the Human Body". Henry Gray. 20th Edition. 1918
3. Introduction to Medical Terminology, Ann Ehrlich, Carol L. Schroeder – 3rd Edition, 2014
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13. Workbook for Step-by-Step Medical Coding, 2018 Edition, Carol J. Buck MS CPC CCS-P.
14. CPT 2017 Professional Edition, American Medical Association.
15. Centore, Anthony. "2013 CPT Code Revisions".
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17. ICD-9-CM Inpatient Coding Reference and Study Guide, Linda Kobayashi.
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19. Principles and Practice of ICD-10 Coding, 2008 Dhirendra Verma , Mohamed El-Sayed Ali
20. 2018 ICD-10-CM 1st Edition, 2017,Carol J. Buck.

**Department of Zoology, CMS College, Kottayam**

**Value Added Course on Medical Coding (2020-2021)**

**List of Students**

| | Name of the student | 8/11/20 | 9/11 | 11/11 | 14/11 | 16/11 | 17/11 | 19/11 | 20/11 | 24/11/20 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Nirmal | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Aiswarya | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a |
| 3 | Vaishnavi | ✓ | a | ✓ | a | ✓ | ✓ | ✓ | a | ✓ |
| 4 | Mathew Daniel | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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# Report on Value added programme-Diploma in Medical coding 2020-21

Course offered by- Department of Zoology, CMS College Kottayam (Autonomus) and IIMC Kottayam

Course offered to- III$^{rd}$ year B.Sc. Zoology students

The value added program offered by the Department of Zoology and IIMC Kottayam on Medical coding for final year B.Sc. Zoology students began on 2$^{nd}$November 2020. The course was designed with 144 hours of both theory and practical to develop expertise in the field of medical coding and billing. A total of 04 students enrolled for the programme.

Students were given training by CPC certified faculties using interactive modules, specific quizzes, self evaluations and e- handouts. The course was structured to help the students develop a strong base in human anatomy and medical terms. The classes were conducted from 9 to 10 am (offline mode) during regular classes and in the forenoon session (online mode) during Saturdays.

Mock interviews were also conducted to equip the students for job application and placement. The course was completed on April, 2021.

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