

# **E.M.G. YADAVA WOMEN'S COLLEGE, MADURAI-14.**

(An Autonomous Institution – Affiliated to Madurai Kamaraj University)

Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> & CGPA 3.51 by NAAC

## **CBCS**

### **DEPARTMENT OF ZOOLOGY**

#### **VALUE ADDED COURSE**

( w.e.f. 2021 - 2022 onwards )

#### **COURSE STRUCTURE**

**Semester : V**

**Duration : 30 hrs**

Sl No.	Subject Code	Title of the Paper	Exam Duration	Maximum Marks		
				CA	SE	TOTAL
1.	21VAC	<b>THEORY:</b> Fundamentals of Medical Coding (FOMeC) (20 hrs)	3Hrs	25	75	100
2.	21VACP	<b>PRACTICAL:</b> Lab in Fundamentals of Medical Coding (FOMeC) (10hrs)	3Hrs	40	60	100

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## **CBCS**

### **DEPARTMENT OF ZOOLOGY**

#### **VALUE ADDED COURSE**

( w.e.f. 2021 - 2022 onwards )

**Title of the Paper:** Fundamentals of Medical Coding (FOMeC)

**Semester:** V

**Contact Hours:** 30 Hrs

**Subject Code:**21VAC

#### **Objectives:**

- Anatomy Structure of the human body to increase your understanding.
- Physiology how the human body functions.
- Medical definitions and terminology Includes pronunciation and use of medical prefixes.
- Coding medical procedures what to code and how to prepare the forms.
- Professional claim information How to set up medical claims for Medicare, Medicaid, private insurance companies, HMOs, PPOs, workers' compensation and personal injury cases.

#### **Unit I**

##### **Language of Medicine (LOM) - Paper I**

Basic word structure, combining forms & terms -Prefixes & suffixes -Pharma/  
radiology/ oncology

#### **Unit II**

Gastroenterology & urogenital -Cardiovascular & respiratory -Musculoskeletal &  
neurology

#### **Unit III**

Dermatology -Ophthalmology & ENT-Hematology, lymphatic, immunology &  
endocrinology

#### **Unit IV**

##### **Medical Coding Essentials (MCE) - Paper II**

Ground Rules – A Quick Look, Taxonomy of Code Sets, Intention of Each Division,  
physician's / hospital coding & work types - Clinical abbreviations & laboratory data -  
The AAPC, responsibilities, ethics, and HIPAA - Evolution and Origin of Medical  
Language-Scopes and Earnings of the Industry & Ladder of Outsourcing - Individual  
Calisthenics .

## **Unit V**

Medical English basics & Americanism for coders -AR analysis / AR callers & submitting -Guidelines of CPT – Current Procedural Coding, Sections and Ranges of CPT- Introduction to ICD 10 CM, Guidelines of ICD 10 CM, Categories and Sections of ICD 10 CM, ICD 9CM Vs ICD 10 CM -Introduction to HCPCS - Healthcare Common Procedure Coding System, Guidelines of HCPCS.

### **PRACTICAL**

**Title of the Paper:** Lab in Fundamentals of Medical Coding (FOMeC)

**Subject Code:**21VACP

- a) Pharmacological units and measurements with numbers, Figures & Special Symbols
- b) Usage of search engines, application software, & standard references
- c) Justification of Employability and Introspection, Interviewee and Interviewer View Points
- d) Processes and Attempts of Screening Procedures (Practical)
- e) Operational methods, billing services, coding, charges, & audit
- f) Method of CPT Coding with Workouts
- g) Method of ICD 10 CM Coding with Workouts
- h) Introduction to ICD 11 CM
- i) Method of HCPCS Coding with Workouts
- j) Pre-evaluation & evaluation

## **Books for references:**

### **Language of Medicine:**

1. Topic: Anatomy & Physiology

Authors: S M Raju

Professor and Head

Department of Biochemistry

Sri Siddartha Medical College, Tumkur

Bindu Madala Associate

Professor Texas A & M

University Department

of Medicine Scott and

White Clinic

Publications: Jaypee Publications

2. Topic: Anatomy & Physiology & Health Education

Authors: Rohini Agarwal

Assistant Professor

Pacific College of Pharmacy

Udaipur

Neeraj Agarwal

Assistant Professor

Faculty of Health Sciences

Allahabad

Publications: ELSEVIER

3. Topic: Concise Pathology

Authors: Geetika Khanna Bhattachariya

Professor Pathology

CIO Laboratory

VMMCS Hospital

New Delhi

Publications: ELSEVIER

4. Topic: Data Interpretation in Medical

Practice: Authors: ABM Abdulla

Professor of Medicine BSMM University Dhaka

Publications: Jaypee Publications

## **Medical Coding Guidelines:**

1. Topic: CPT Professional Edition Composed by: CPT Editorial Panel & AAPC  
Publications: American Medical Association
2. Topic: ICD Composed by: ICD group, CMS, & CDC Published by: WHO
3. Topic: HCPCS Composed by: Editorial panel & CMS, NCHS  
Published by: AMA
4. Topic: Instant Clinical Advisor (Physiology, Pathology, Etiology, Diagnosis, Therapy, & Coding / ICD Practice)  
Author: Fred F. Ferri Clinical Professor Brown Medical School Rhode Island  
Publications: ELSEVIER - MOSBY