

Course Focusing on Human Values and Professional Ethics

Programme Code:	AP	Programme Title: B.Sc	Biochemistry	
Course Code:	20UAPST508	Title: SKILL BASED COURSE III - MEDICAL CODING	Batch:	2018 - 19 Onwards
Hours/Week:	3		Semester:	V
			Credits:	3

Objectives

- To help meet the demands for industry-current professionals with the knowledge and skills to pursue Career opportunities in the growing Health care industry.
- To acquire knowledge in Medical terminology, computerized billing procedures and Medical coding.
- To develop skills to accurately report diagnoses and procedure codes through the application of official coding guidelines in ICD, CPT and HCPCS.
- To effectively identify, understand, and utilize medical codes as they will be applicable to hospital reimbursement in the field of health care.

Course Outcomes

On the successful completion of the course, students will be able to

K1	CO1	Attain the knowledge of Basic terminologies in Medical profession.
K2	CO2	Understand the terms in Medical world.
K3	CO3	Know the importance of documentation.
K4	CO4	Gain an idea about coding system.
K5	CO5	Learn concepts of reimbursement methodologies, Fraud and abuse.

Syllabus

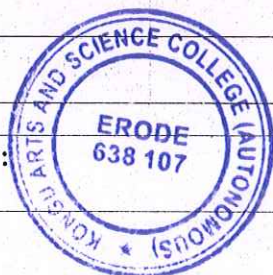
Unit	Content	Hours
I	<p>Medical Terminology Fundamentals of the language for the medical profession, Diagnostic procedures, Laboratory tests.</p> <p>Terminology: (Definitions only) Hematology - Aplastic anemia, Erythrocytapheresis, Hematocrit, Thrombosis, Hemostasis, Hypoxemia, Neoplastic disease, Thrombocytopenia, Extracarponeal Circulation and Von Willebrand disease.</p> <p>Terminology: (Definitions only) Cardiology – Arrhythmias, Flutter, Fibrillation, Varicose vein, Hemorrhoids, Coronary Artery Disease, Endocarditis, Endarterectomy, Thrombolytic therapy and Coronary Bypass Surgery (CABG).</p> <p>Terminology: (Definitions only) Gastroenterology - Achlorhydria, Hematochesis, Achalasia, Diverticulitis, Ulcerative Colitis, Colonic Polyposis, Abdominoperineal Resection, Anastomosis, Aneurysm and Colostomy.</p> <p>Terminology: (Definitions only) Pulmonology – Croup, Pertussis, Cystic Fibrosis, Atelectasis, Emphysema, Pneumoconiosis, Pulmonary abscess, Pleural Effusion, Tracheostomy and Mediastinoscopy.</p>	7



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II	<p>Terminology: (Definitions only) Neurology – Alzheimer's disease, Dementia, Cerebral Thrombosis, Cryothalamotomy, Electroencephalogram (EEG), Encephalitis, Guillain-Barré Syndrome, Myelogram, Pallidotomy and Positron Emission Tomography (PET) Scan.</p> <p>Terminology: (Definitions only) Ophthalmology - Glaucoma, Macular degeneration, Retinal detachment, Retinitis pigmentosa, Astigmatism, Hyperopia, Myopia, Presbyopia, Tonometry and Otolaryngology.</p> <p>Terminology: (Definitions only) Musculoskeletal system – Muscular Dystrophy, Cerebral Palsy, Dermatomyositis, Myasthenia Gravis, Mitochondrial myopathies, Myotonia, Bursitis, Osteoporosis, Adduction and Palpation</p> <p>Terminology: (Definitions only) Urology and Nephrology – Nephritis, Nephrosis, Cystitis, Urethritis, Urethral Stricture and Cystometry,</p> <p>Terminology: (Definitions only) Gynecology and Obstetrics</p> <p>Male Reproductive system – Coitus interruptus, Gonadal dysgenesis, Hypoestrogenism, Varicocele and Vasectomy.</p> <p>Female Reproductive system - Amenorrhea, Psychogenic pain, Amniocentesis, Antepartum, Uteroplacental circulation, Hysterectomy and Colpocytogram.</p>	7
III	<p>Health Information Management</p> <p>Introduction to Health Information Management - Content and structure of Healthcare data - Content of medical records - Documentation requirements for medical records. Healthcare Delivery Systems -Types of healthcare organizations and healthcare workers.</p>	7
IV	<p>Clinical Classification Systems</p> <p>Basic Diagnosis Coding Systems - Introduction to ICD-9-CM: Overview, General Structure, Basic Operating Guidelines. Introduction to Current Procedural Terminology (CPT) - Purpose, History, General Structure, Basic Operating Guidelines.</p>	6
V	<p>Reimbursement Methodologies</p> <p>Ambulatory Surgery Center reimbursement - Third-party payers - Billing and Insurance procedures - Quality Improvement Organizations (QIO) and their role in the Payment process.</p> <p>Issues with Fraud and Abuse</p> <p>Regulatory issues and guidelines - Department of Health and Human Services on Healthcare Fraud and Abuse. Standardization in Coding HIPAA Background and Explanation</p>	6
TOTAL		33

Teaching Methodology:
Chalk and Talk, PPT



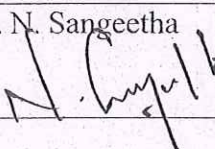
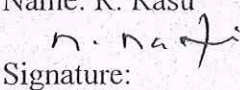
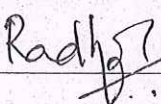
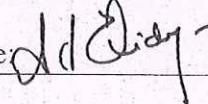
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Books for Study:

1. Barbara A. Gyls Mary Elen Wedding - Medical Terminology Systems, Davis plus International Publisher, 6th Edition, 2008.
2. Betsy J Shiland (2017), 'Medical Terminology & Anatomy for Coding', 3rd Edition, Elsevier Science Publisher Ltd.

Books for Reference:

1. Optum, Guide to Clinical Validation, Documentation and Coding, First Edition, Kindle Book Publishers, 2020.
2. <http://www.icd9data.com>
3. Coders' Dictionary 2013 by Ingenix.

Course Designed by	Verified by	Checked by	Approved by
Name and Signature	Name and Signature	Name and Signature	HOD
Name: Dr. N. Sangeetha Signature: 	Name: R. Rasu Signature: 	Name: T. Radha Signature: 	Name: Dr. A. K. Vidya Signature: 



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