

Era University, Lucknow

| Name of the Program | Bachelor of Physio | therapy | 8 | Year/Semester: | п | I year/ V sem | | | | | |
|------------------------|--|--|----------------------|--------------------------------------|------------|----------------------|--|--|--|--|--|
| Course Name | MEDICINE | Course Code: | BPT-501 | Туре: | | Theory | | | | | |
| Credits | | 04 | No. | Total Sessions Hours: | | 40 Hours | | | | | |
| Evaluation Spread | Internal Continu Assessment: | | 30 Marks | End Term Exam | : | 70 Marks | | | | | |
| Type of Course | Compulsory | | ✓ Core | Creative | | Life Skill | | | | | |
| Course Objectives | Students will | The course enables the student to have comprehensive understanding of general diseases Students will be able to list the etiology, pathology, clinical features and treatment method for various medical conditions | | | | | | | | | |
| Course Outcom | es(CO):After the succe. | ssful course | completion ,learner | s will develop follow | ing attrib | utes: | | | | | |
| COl | Understand pathopl | Understand pathophysioloogical changes in infectious and metabolic disorders with their treatment | | | | | | | | | |
| CO2 | Understand pathopl | hysiological | changes in endocrin | ne and hematological | disorders | with their treatmer | | | | | |
| CO3 | | A TOTAL STREET, I SAN THE STREET, AND ASSOCIATION OF | | e system disorders w | | | | | | | |
| CO4 | Understand the phy treatment | siological cl | hanges during aging | , diseases related to | elderly pe | cople and their | | | | | |
| CO5 | Understand pathopl | hysiological | changes in skin disc | orders and psychiatric | disorder | s with their treatme | | | | | |
| Pedagogy | Interactive, discuss | sion-based, s | tudent-centered, pre | esentation. | | | | | | | |
| Internal | Mid-term Examina | tion: 30 Ma | rks | | | | | | | | |
| Evaluation | Class test: 12 Mar | | 5600 St. 29 | | | | | | | | |
| Mode | Class participation | | | | | | | | | | |
| | Assignments/Proje Attendance: 04 Ma | | 5 | | | | | | | | |
| | Class Presentation: | | | | | | | | | | |
| | Bed Side behavior | or Interaction | on in Class: 02 mark | S | | | | | | | |
| Session Details | | | Topic | | Hours | MappedCO | | | | | |
| Unit1 | spread of infection and infection — : transmitted diseases | Infection: Effects of Infection on the body – Pathology – source and spread of infection –vaccinations – generalized infections – rashes and infection – food poisoning and gasteroenteritis – sexually transmitted diseases – HIV infections and aids | | | | | | | | | |
| | | g –Pharmac | ceutical agents - c | gement – common drugs of misuse – | | | | | | | |

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|------------|--|--|---|--|--|--|--|--|---|--|--|------|------|------|
| Unit2 | dinid did did did did did did did did di | isease disease | - commagement - climing - | non cla nt; Dia ical ma lication ne bloo of bloo ent; He agemen s due to f the disea and to Achlasi disea Syndro ict; Clin s, diagn iral Ho | ssical I abetes anifesta as of dia od: Exa d Disea mophilat – cor o therap digesti ase – A reatmer aCardia ase, (o ome, U nical m osis, co epatitis. | Disease Mellitutions of abetes aminationse; An ia - Ca inplicate y ve sys Actiologist of to a, Carcino clarative anifesta omplica wils | presenting presenting present is: Etion of the distance of the distance of the following of the Colitications of t | ations, logy a sease - blood signs a clinical owing of Esop Stores, Peri f liver d treatrisease, | disorder disorder de symptopeated hand la manifectures conditation de la manifectures conditation de la mach, tonitis, diseases ment of Alpha | feature hogener gement rs - C ptoms - es seven leamorr festation diag ions: I GI ble Pancre Infection - Aeti the foll al-antit | es and sis of of the linical types ity of hages ans of mosis, Reflux eding, eatitis, ons of ology, owing | 14 | | CO2 |
| Unit 3 | F g tt | eneral herapy. Disea examina linical Lepros Dermati | ogy of princip Lung of ses of t ation ar feature sy, Pso- tis, Coo | he Skind climis and ministration of the Skind climis and ministration of the Discontinuous of the Skind Control of | manag Pleuris n: cal man anager Pigmen d Funga | ement. sy & Pu nifestate nent of stary A d Paras | ns of of Implica- ions of s the foll nomalie itic and ssificati Is used i | skin dis owing s, Vas Viral in | of aging lism seases; skin co omotor offection | Causes ndition disorders | ysical | 13 | CC |)3 |
| CO-PO Maj | nning | | | | | | | | | | - | | | |
| 00 10 1111 | POI | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | POS | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| 01 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | - | - | | - | - | - |
| 002 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | 8 | 15 | 8.00 | - 53 | * | - |
| :03 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | - | | | | - | |
| :05 | - 3 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | | 1,2 | (2-3) | - 28 | - 18 | |
| | - | | _ | | - | - | | | | - | | _ | | |

| Strongcontribution-3, | Averagecontribu | ution-2, | Lowcontribution-1, | | | | |
|-------------------------------|--|--|--|--|--|--|--|
| Suggested Readings | : | | | | | | |
| Reference Books | 1. David | son's Pri | nciples and Practice of Medicine. | | | | |
| | 2. Textbook of k. Das | | | | | | |
| | 3. Harrison's Internal Medicine. | | | | | | |
| | 4. Hutch | inson's cl | linical methods. | | | | |
| Para Text | https://voutu.l | ne/-axOM | KLkLLQ?si=Duy9onplvJbqLuxg | | | | |
| Turu Tuat | | | 6UJurrs?si=VI6 ujUBq2Zf6pYI | | | | |
| | | | JzLz2gH8?si=-M7sonorotXvKw6Z | | | | |
| | | | RJ2bSbn8?si=BY7nAbnl61hscbBy | | | | |
| | https://youtu.be/MIV4kd16c5l?si=fKbQxGNFknkmGdKc | | | | | | |
| | https://youtu.be/ CAv eM2nSA?si=x p7Vx-7vQpkGMYU | | | | | | |
| Recapitulation & E | The second liverage and the se | The second secon | | | | | |
| Internal Continuous | s Assessment: | | | | | | |
| Component | | Marks | Pattern | | | | |
| Class test | | 12 | Contains 01 long question. question carries 04Marks. | | | | |
| | | | 02 Short questions. Each question carries 02Marks | | | | |
| | | | 04 multiple choice questions. Each question carries 01Marks | | | | |
| Class participation or | any other | 04 | This to be made on activities and instruction given by subject teacher. | | | | |
| Marks Assignments/P | roject: | 04 | Assignment to be made on topics and instruction given by subject teacher | | | | |
| Class Presentation: | | 04 | This to be made on topics and instruction given by subject teacher | | | | |
| Bed Side behavior or Class | Interaction in | 02 | This to be made on activities and instruction given by subject teacher. | | | | |
| Attendance | | 04 | As per policy | | | | |
| Total Marks | 7 | 30 | | | | | |



Era University, Lucknow

| Name of the Program | Bachelor of Phys | iotherapy | | Year/Semester: | III year | / V sem |
|--------------------------------|--|---|---|--|-------------------------|---------------------|
| Course Name | Surgery | Course Code: | BPT 502 | Type: | Т | heory |
| Credits | | 04 | | Total Sessions Hours: | 40 | Hours |
| Evaluation Spread | Internal Continuous Assessment: | 30 N | Iarks | End Term Exam: | 70 | Marks |
| Type of Course | Compulsory | V 0 | 70 0000 | Creative | 1501 | e Skill |
| Course Objectives | understanding 2. They should symptoms and | of the surge have a brid the resultant olp the candi | ries that the ef idea of at functional idates to unc | the student will be able to rapist would encounter in the the etiology and patholo disability. derstand the limitation imp | heir practi gy, what | ce. the patient' |
| CourseOutco attributes: | | | | ion,learnerswilldevelopfol | lowing | |
| CO1 | To understand flu | id and electr | olyte chang | es in surgical patient. | | |
| CO2 | To understand the | complication | ons of surger | TV. | | |
| CO3 | | | | and cardiovascular paramet | ters in surg | ical patients |
| CO4 | To understand inv | estigations a | and manager | ment and management of c | ommon su | rgical |
| CO5 | | | | urgical cases and handling edge with practical learnin | | will become |
| Pedagogy | | | | ered, presentation. | | |
| Internal Evaluation Mode | Mid-term Examin Class test: 12 Ma Class participation Assignments/Proj Attendance: 04 M Class Presentation Bed Side behavior | irks n or any othe ect: 04 Mark larks n: 04 marks | er: 04 Mark ks | | 100 | |
| Session Details | | | Topic | | Hours | Mapped CO |
| Unit1 | Trauma- 1.Fluid, 1 2. Reasons for Sur | Electrolyte a gery; Presentation | nd Acid-Ba | lures for Thoracic se disturbances and treatment of the | 10 | CO1 & CO2 |
| Unit2 | Surgical procedur Mastectomy, Nepl 1. Surgical Onco | hrectomy, P | | olostomy, Gastrectomy, | 15 | CO3 & CO4 |

| | | Diseases Definition Complice | rs of the Che s of the Arte on, Indication cations follo n operations | ries and V on, Incision wing | 7eins | | | | | | | | | | |
|--|-------------------------------|--------------------------------------|---|---|-------------------------|------------------|------------------|----------------|--|--|--|--|--|--|--|
| Unit3 Surgical procedures for Laparoscopy, Colonoscopy, Hysterectomy 1. Women's Health: 2. Definition, Indications and Management of the following surgical procedures – 3. ENT 4. Ophthalmology: CO-PO and PSO Mapping | | | | | | | 15 | CO4 & CO5 | | | | | | | |
| | | | | l nos | I POC | l nos | 700 | l BOO | POTO | | | | | | |
| CO | PO1 | PO2 | PO3 PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | | | | | | |
| CO1 | 3 | 1 | 3 3 | 2 | 1 | 2 | | - | 3 | | | | | | |
| CO2 | 3 | - | 3 3 | 3 | - 4 | 2 | 2 | - | 2 | | | | | | |
| CO3 CO4 | 3 | | 3 3 | 2 | * | 3 | | | 2 2 | | | | | | |
| CO5 | 3 | 77 | 3 3 | 1 | | 2 | 1 | 2 | 3 | | | | | | |
| | ontributio | | ragecontributio | н-2, | Lonconvibu | tion-1, | | | | | | | | | |
| Sugge Text-l | | eadings: | text book- | | | | | | | | | | | | |
| 37747 | oks Text | Unit1: https Unit2: https Unit3: | and Love's ://www.you ://www.you | tube.com | /watch?v /watch?v | =gSW4L =v4PHC | PgeZb0 wvkH24 | | | | | | | | |
| Recap | itulati | on & Examin | ation Patte | rn | | | | | | | | | | | |
| Intern | ial Cor | itinuous Asse | ssment: | | | | | | | | | | | | |
| Comp | onent | | Marks | Pattern | | | | | | | | | | | |
| Class | test | | 12 | 02 Shor | t questio | ns. Each | question carr | ies 02Marks | Contains 01 long question. question carries 04Marks. 02 Short questions. Each question carries 02Marks 04 multiple choice questions. Each question carries 01Marks | | | | | | |
| Class participation or any 04 other | | | | This to be made on activities and instruction given by subject teacher. | | | | | | | | | | | |
| District Control | Marks Assignments/Project: 04 | | | | | | | | n by subjec | | | | | | |
| Marks 1 | - 22 | 554 | 04 | | nent to be | made on | topics and in | struction give | n by subjec | | | | | | |
| Marks 1 | Assigni Present | 554 | 04 | Assignn teacher | nent to be | | | struction give | n by subject | | | | | | |
| Marks A | Present | ation: | | Assignment teacher This to teacher | nent to be be made o | n topics a | and instruction | | n by subject bject | | | | | | |
| Marks A | Present ide beh | ation: | 04 | Assignment teacher This to teacher This to teacher | nent to be be made o | n topics a | and instruction | n given by su | n by subject bject | | | | | | |

Total Marks



Era University, Lucknow

| Name of the Program | Bachelor of Physioth | erapy | | Year/Semester: | III year/ V sem | | |
|--------------------------------|---|--|--|--------------------------|--|--|--|
| Course Name | Neurology and Neurosurgery-I | Course Code: | BPT 503/ BPP 503 | Туре: | | heory & ractical | |
| Credits | | 05 | | Total Sessions Hours: | 60 | Hours | |
| Evaluation Spread | Internal Continuous Assessme: | 30 Marks | | End Term Exam: | 701 | Marks | |
| Type of Course | Compulsory | ✓ Core | 1006.000 | Creative | 54-150 | e Skill | |
| Course Objectives | describe the parts central nervous sy 2. The students encounter in their 3. The students treatment methods | of nervous system. will have a g practice. will be abl s for various n | eneral understate to list the eurological con | | of the sp ses the th y, clinica | inal cord an erapist woul l features | |
| Course Outco attributes: | omes(CO):After the suc | ccessful cours | e completion, l | earners will develo | p followin | g | |
| CO1 | To understand the stru | ecture and fun | ction of the ner | rvous system. | | | |
| CO2 | Identify and explain o | ommon inves | tigations & neu | ırological assessme | nt. | | |
| CO3 | To understand and ide | entify and asso | ess the differen | t neurological cond | itions. | | |
| CO4 | To analyze the impact | of neurologic | cal conditions o | on movement and f | unction. | | |
| CO5 | The students will be a become easier as they | | | | <u> Allanda anna an </u> | ses will | |
| Pedagogy | Interactive, discussion | | | 120 | | | |
| Internal Evaluation Mode | Mid-term Examinatio Class test: 12 Marks Class participation or Marks Assignments/P Marks Attendance: 04 Marks Class Presentation: 04 Bed Side behavior or | any other : 04 roject: 04 | | | | | |
| Session Details | | Тор | ic | | Hours | Mapped CO | |
| Unit1 | Introduction to neuro 1. Neurological assess 2. Investigations 3. Neuro-ophthalmolog 4. Deafness, vertigo & | ment sy | | 20 | CO1 & CO2 | | |

| | | Assessments and of head injury and cerebro-vascular diseases 1. Lower cranial nerve paralysis 2. Cerebro-vascular diseases 3. head injury Practical Practice session for different neurological conditions | | | | | | | | CO3 & CO5 | |
|--|---|---|---|--|--|---|--|---|--|--|--|
| Unit3 | | disorders 1. Higher of disorders 2. Moveme 3. Cerebell Practical | cortical, n ent disord lar & coo | Thigher cortical and movement & coordination 20 CO4 & CO5 al, neuro psychological and neuro-behavioral isorders coordination disorders for different neurological conditions | | | | | | | |
| CO-P | O and l | PSOM app | ing | | - 13 | | | | | | |
| CO | PO1 | PO2 | | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | |
| CO1 | 3 | 1 | 3 | 3 | 2 | 1 | 2 | (5) | | 3 | |
| CO2 | 3 | 2 | 3 | 3 | 3 | 5 o . | 2 | 1 | - | 2 | |
| CO3 | 3 | 3 | 3 | 3 | 2 | - | 3 | | - | 2 | |
| CO4 CO5 | 3 | 2 | 3 | 3 | 1 2 | 8 | 1 2 | 1 | 2 | 2 3 | |
| | ntribution | | Averagecont | | | Loncontribu | | | | | |
| Sugge | sted Re | adings: | 773 | | | | | | | | |
| Text-I | Rooks | 1. | | | | | | | | | |
| | POULS | 1. | Neurolo | gy and | d neuros | surgery i | llustrated | - Lindsasy | | | |
| Refe | renceB | ooks 1. | Principl | - | | | llustrated ms and V | 0.000 | | | |
| Refer Para Recap | renceBe Text | Un Un Un Un | Principl it1: https it2: https it3: ηττπο ination 1 | les of I | Neurologu.be/Mb | gy- Adai | ms and V r4dk?si= S4?si=fs9 | ictor SaBy7zsDKY | | 09 | |
| Reference Para | renceBe Text oitulatio | ooks 1. Un Un | Principle it1: https://dicarrent.com// https://di | les of] ://yout ://yout ://wout ://wout ://wout | Neurolog u.be/Mb u.be/aVl ωτυ.βε/7 | gy- Adam 6MYVB luB6YyV | ms and V r4dk?si= S4?si=fs9 | ictor SaBy7zsDKY | E10W | 09 | |
| Refer Para Recap | renceBe Text oitulational Con | Un Un Un Un | Principle it1: https://dicarrent.com// https://di | les of I | u.be/Mb u.be/aVl oτυ.βε/i Pattern Contains 02 Shor | gy- Adam 66MYVB luB6YyV 7υπΗΔη s 01 long t questio | ms and V r4dk?si= S4?si=fs9 ΑμκθΥ?o question. ns. Each o | ictor SaBy7zsDKY NGLu6xVfj 11=βλ4π0φ question carri | E10W αΛΓ76ηΑο rries 04Marks | S. | |
| Reference Para | renceBe Text oitulational Con | Un Un Un Un | Principle it1: https: it2: https: it3: nttno ination lessessment Ma 12 | les of I ://yout ://yout Pattern t: | u.be/Mb u.be/aVl oτυ.βε// Pattern Contains 02 Shor 04 mult | gy- Adam 6MYVB 1uB6YyV 7υπΗΔη s 01 long t question iple choice be made | ms and V r4dk?si= S4?si=fs9 ΑμκθΥ?c question. ns. Each of | ictor SaBy7zsDKY NGLu6xVfj σ1=βλ4π0φ question carrins. Each que | E10W αΛΓ76ηΑοΩ | s. 01Marks | |
| Reference Para | renceBe Text oitulational Consonent test participa | Un Un Un On & Exam tinuous As | Principle it1: https://iit2: https://iit3: nttno.iitation lasessment | les of I | Neurolog u.be/Mb u.be/aVl oτυ.βε/π Pattern Contains 02 Shor 04 mult This to teacher. Assignment teacher | gy- Adam 6MYVB 1uB6YyV 7υπΗΔη s 01 long t questio iple choic be made | ms and V r4dk?si=fs9 AμκθΥ?α question. ns. Each α ce questio e on active made on | nGLu6xVfj nGLu6xVfj n=βλ4π0φ question carrins. Each question carrins. Each question carrins. | E10W αΛΓ76ηΑο rries 04Marks es 02Marks struction give | s. 01Marks en by subject en by subject | |
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Era University, Lucknow Course Outline: 2024-2025

BPT Name of the Year/Seme III year/ V sem Program ster: Course Orthopaedics - i CourseCode: **BPT 504/** Theory & Type: Name **BPP 504** Practical 60 Hours Credits 05 Total Sessions Hours: 70Marks Evaluation 30 Marks End Term Internal Continuous Exam: Spread Assessment: Type of Core C Life Skill Compulsory C Cre Course Course 1. Understanding of orthopedics, traumatology, fractures, and upper limb Objectives dislocations through comprehensive patient assessment and diagnostic techniques. 2. Understand and manage upper limb dislocations, such as anterior and posterior shoulder dislocations, and posterior elbow dislocations. 3. Learn to diagnose and treat spinal fractures in the cervical thoracic, and lumbar regions, as well as coccyx and rib cage fractures, including immobilization and surgical options. 4. Understand and manage a variety of lower limb fractures, dislocations, and hand injuries effectively. 5. Develop expertise in assessing and managing amputations and traumatic spinal cord injuries for improved patient care and outcomes. CourseOutcomes(CO): After the successful course completion, learners will develop following attributes: CourseOut Attributes come(CO) COL Ability to differentiate and effectively manage various upper limb fractures and dislocations, ensuring optimal patient care and recovery CO2 Proficiency in assessing and treating upper limb dislocations effectively CO3 Ability to diagnose and manage a variety of spinal fractures, enhancing patient care and recovery CO4 Proficiency in the assessment and management of various lower limb fractures, dislocations, and hand injuries, leading to enhanced patient care and improved recovery outcomes

| CO5 | Expertise in handling amputations and traumatic spin ensuring effective management and rehabilitation for patien | | injuries, | | | | | |
|---|---|--------|-----------------|--|--|--|--|--|
| Pedagogy | Interactive, discussion-bases, student-centered, presentation. | | | | | | | |
| Internal Evaluation Mode | Mid-term Examination: 30 Marks Class test: 12 Marks Class participation or any other: 04 Marks Assignments/Project: 04 Marks Attendance: 04 Marks Class Presentation: 04 marks Bed Side behavior or Interaction in Class: 02 marks | | | | | | | |
| Session Details | Topic | Hours | Mapped CO | | | | | |
| Unit1 Introduction to Orthopedics and Fractures of the Upper Limb | classicle and ecanula Practures of greater tuberosity and | 20 hrs | CO1 | | | | | |
| Unit2 Dislocations of Upper Limb and Fracture of Spine | Dislocations of Upper Limb - Anterior dislocation of shoulder - mechanism of injury, clinical feature, complications, conservative management (Kocher's and Hippocrates maneuver), surgical management (putti plat, bankart's) etc. Recurrent dislocation of shoulder. Posterior dislocation of shoulder - mechanism of injury, clinical features and management. Posterior dislocation of elbow mechanism of injury, clinical feature, complications & management. Fracture of Spine Fracture of Cervical Spine - Mechanism of injury, clinical feature, complications (quadriplegia); Management- immobilization (collar, cast, brace, traction); Management for stabilization, management of complication (bladder and bowel, quadriplegia). Clay | 20 hrs | CO2 & CO3 | | | | | |

| | shoveller's fracture. Hangman's fracture. Fracture odontoid. Fracture of atlas. Fracture of Thoracic and Lumbar Regions - Mechanism of injury, clinical features, and management —conservative and surgical of common fractures around thoracic and lumbar regions. Fracture of coccyx. Fracture of Rib Cage - Mechanism of injury, clinical features, management for Fracture Ribs, Fracture of sternum. PRACTICAL: Orthopaedic assessment | | |
|---|---|--------|-----------------|
| Unit 3 Fractures and Dislocations of Lower Limb and amputations | Fractures and Dislocations of Lower Limb: Fracture of Pelvis and Lower Limb - causes, clinical features, mechanism of injury, complications, conservative and surgical management of the following fractures: Fracture of pelvis. Fracture neck of femur - classification, clinical features, complications, management - conservative and surgical. Fractures of trochanters. Fracture shaft femur—clinical features, mechanism of injury, complications, management-conservative and surgical. Supracondylar fracture of femur. Fractures of the condyles of femur. Fracture patella. Fractures oftibial condyles. Both bones fracture of tibia and fibula. Dupuytren's fracture Maisonneuve's fracture. Pott's fracture - mechanism of injury, management. Bimalleolar fracture Trimalleolar fracture Fracture calcaneum - mechanism of injury, complications and management. Fracture of talus. Fracture of metatarsals—stress fractures jone's fracture. Fracture of phalanges. Dislocations of Lower Limb - mechanism of injury, clinical features, complications, management of the following dislocations of lower limb. Anterior dislocation of hip. Posterior dislocation of hip. Central dislocation of patella. Hand Injuries - mechanism of injury, clinical features, and management of the following - Crush injuries. Flexor and extensor injuries. Burn injuries of hand. Amputations - Definition, levels of amputation of both lower and upper limbs, indications, complications. Traumatic Spinal Cord Injuries - Clinical features, complications, medical and surgical management of Paraplegia and Quadriplegia. PRACTICAL Orthopaedic patients exposure | 20 hrs | CO4 & CO5 |

| CO-PO | О Марр | ing | | | | | 775 | | | 99 | | |
|---------------|--|------------------------------|---|---|--|-------------------|--|-----|-----|------|--|--|
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | | |
| COl | 3 | 2 | 2 | 1 | - | - | 2 | 1 | - | 2 | | |
| CO2 | 3 | 2 | 2 | 1 | 3-3 | 856 | 2 | 1 | - | 2 | | |
| CO3 | 3 | 2 | 2 | 1 | - | | 2 | 1 | - | 2 | | |
| CO4 | 3 | 2 | 2 | 1 | 3 6 3 | (+)) | 2 | 1 | 25 | 2 | | |
| CO5 | 3 | 2 | 2 | 1 | 350 J | 1 5 8 | 2 | 1 | | 2 | | |
| | ntribution- | | Average contribi | ution-2, | Low con | шівийон-1, | | | | | | |
| Sugges | sted Rea | dings: | | | | | | | | | | |
| | | 2. 1 | Essential Ort Textbook of C Apley Systen | Orthopae | dics: Kot | wal and N | Contract Con | | | | | |
| Refer Boo | oks | 2. O | sential Clini utline of frac | ture: Ad | ams | - | oenezer | | | | | |
| Para | Text | 2. h 3. h 4. h 5. h | attps://youtu attps://youtu attps://youtu attps://youtu attps://youtu | i.be/al2.A i.be/fFV i.be/mU i.be/Mo: | A RQIFa aPonJk6 75SnzPll x5YRyf6 | M DC bM | | | | | | |
| | The state of the s | & Exan | attps://youtu | A CONTRACTOR | enma w 4 | <u>4K</u> | | | | | | |
| Comp | | | Mark | s Patt | ern | | | | | | | |
| Class test 12 | | | | 02 sl | Contains 01 long queation. question carries 04 marks 02 short questions. each question carries 02 marks 04 multiple choice questions. each question carries 01 marks | | | | | | | |
| C.I | | | 0.1 | rent : | | | 1.1 | | | | | |

| Class test | 12 | Contains 01 long queation. question carries 04 marks 02 short questions. each question carries 02 marks 04 multiple choice questions. each question carries 01 marks |
|---|----|--|
| Class participation or any other | 04 | This to be made on activities and instruction given by subject teacher |
| Marks assignments/project | 04 | Assignment to be made on topics and instruction given by subject teacher |
| Class presentation | 04 | This to be made on topics and instruction given by subject teacher |
| Bed side behavior or interaction in class | 02 | This is to be made on activities and instruction given by subject teacher |
| attendance | 04 | As per policy |
| Total marks | 30 | 1. 13% 72 |



Era University, Lucknow

| Name of the Program | Bachelor of Physio | therapy | | Year/ Semester: III year/ V sem | | | | | | |
|--------------------------------|--|--|--|--|-------------|--|--|--|--|--|
| Course Name | Community Medicine-I | Course Code: | BPT 505 | Type: | Tì | neory | | | | |
| Credits | | 03 | | Total Sessions Hours: | 30 | Hours | | | | |
| Evaluation Spread | Internal Continuous Assessment: | 30 N | Iarks | End Term Exam: | 70] | Marks | | | | |
| Type of Course | Compulsory | V 0 | Core | Creative | Life | Skill | | | | |
| Course Objectives | disease, Public healt | th administ | ration, He | , Epidemiology, Epidemiolo alth programmes in India an nentation with evidence base | d Demogr | aphy and Family | | | | |
| Course Outc | omes (CO): After the | successful | course co | mpletion, learners will deve | lop followi | ng attributes: | | | | |
| Course Outcome (CO) | | | | Attributes | | | | | | |
| CO1 | | | | ease Principles of Epidemi ired to be practiced in comm | | | | | | |
| CO2 | | Acquire the knowledge of Public health administration and Epidemiology of communicable disease in preventive and curative measures that are required to be practiced in community. | | | | | | | | |
| CO3 | The state of the s | | 121000 - 11000 | programmes in India and D | | The state of the s | | | | |
| Pedagogy | Interactive, discussi | on-bases, s | tudent-cer | ntered, presentation. | | | | | | |
| Internal Evaluation Mode | Mid-term Examinat Class test: 12 Mark Class participation of Assignments/Project Attendance: 04 Mar Class Presentation: Bed Side behavior of | s or any other t: 04 Mark ks 04 marks | r: 04 Mari s | | | | | | | |
| Session Details | Торі | ic | | | Hours | Mapped CO | | | | |
| Unit 1 | Health and Disease- Definitions, Concepts of well-being, Spect natural history of prevention, Modes of socio-economic and of Epidemiology, defin Principles of Epi Components and A Epidemiology, Infer modes of disease tr Immunizing agents, | s, Dimension and E Disease, f Interventicultural envittion and sidemiology ims, Basic ctious diseansmission Hazards of | Concepts ion, Popul vironment scope- and I measure ase epide , Host de | dicators of Health, Concept ats of Health, Concept and of disease control and lation Medicine, Therole of in health and disease. Epidemiological methods: ements, Methods, Uses of emiology, Dynamics and efenses and zation, Disease prevention for Disease: Concept of | | CO1 | | | | |

| Unit 2 | Public health administration | 10 | CO2 |
|--------|---|----|-----|
| | An overview of the health administration set up at Central and state levels. The national health programme-highlighting the role of social, economic and cultural factors in the implementation of the national programmes. Health problems of vulnerable groups-pregnant and lactating women, infants and pre-school children, occupational groups. Epidemiology of communicable disease Respiratory infections, Intestinal infections, Arthropodborne infections, Zoonoses, Surface infections, Hospital acquired infections Epidemiology of chronic non-communicable diseases and conditions: Cardio vascular diseases: Coronary heartdisease, Hypertension, Stroke, Rheumatic heart disease, Cancer, Diabetes, Obesity, Blindness, Accidents and Injuries. | | |
| Unit 3 | Health programmes in India Vector borne disease control programme, National leprosy eradication programme, National tuberculosis programme, National AIDS control programme, National programme for control of blindness, Iodine deficiency disorders (IDD) programme, Universal Immunisation programme, Reproductive and child health programme, National cancer control programme, National mental health programme. National diabetes control programme, National family welfare programme, National sanitation and water supply programme, Minimum needs programme. Demography and Family Planning: Demography cycle, Fertility, Family planning-objectives Of national family planning programme and family planning methods, A general idea of advantageand disadvantages of the methods. | 10 | CO3 |

| CO-PO Mapping | | | | | | | | | | |
|---------------|-----------|--------|------------|-------|-------|------------|--------|-----|-----|------|
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | 3 | 2 | 3 | 1 | 2 | 1 | 550,00 | 3 | 1 | 2 |
| CO2 | 1 | 1 | 2 | 3 | 2 | 3 | 1 | | 2 | 1 |
| CO3 | 2 | | 70 | 1 | 0.6 | 1 | | 2 | 2 | 3 |
| Стонасоно | ihutian 3 | Averne | iacountihu | nou-7 | Louve | upshupan_1 | | ~ | | |

Suggested Readings:

Reference Books-

- 1. Textbook of Preventive & Social Medicine, Dr. J E Park
- 2. Textbook of Prevention Practice and Community Physiotherapy (Vol. 1)- Dr. Bharati Vijay Bellare
- 3. Physiotherapy in Community Health and Rehabilitation-Waqar Naqv
- 4. ESSENTIALS OF COMMUNITY PHYSIOTHERAPY & ETHICS- PROF. (DR.) RAJENDRA RAJPUT
- 5. Textbook of Community Medicine: Preventive and Social Medicine, by Sunderlal. Maxcy Rosenau
- 6. Textbook of Community Medicine- Bhalwar

| e-Learning Source: | view_of_the_Literature 2. https://youtu.be/N-B4XPAdNuw?si=RISOOgZ7xUIoh3D- 3. https://youtu.be/IP-eevU5-Hc?si=IxeBZ9xwfwsA5eyl 4. https://youtu.be/5DBgh03wy6U?si=rtfPbloNr-un_CWK | | | | | |
|--|---|--|--|--|--|--|
| and the second s | on & Examina tinuous Asses | | ern ern | | | |
| | tinuous Asses | Approximation of the last of t | D-44 | | | |
| Component | | Marks | Pattern | | | |
| Class Test | | 12 | Contains 01 long question. question carries 04Marks. 02 Short questions. Each question carries 02Marks 04 multiple choice questions. Each question carries 01Marks | | | |
| Class participation or any other | | 04 | This to be made on activities and instruction given by subject teacher. | | | |
| Marks Assignr | nents/Project: | 04 | Assignment to be made on topics and instruction given by subject teacher | | | |
| Class Presentation: | | 04 | This to be made on topics and instruction given by subject teacher | | | |
| Bed Side behavior or Interaction in Class | | 02 | This to be made on activities and instruction given by subject teacher. | | | |
| Attendance | Attendance 0 | | As per policy | | | |
| Total Marks | | 30 | | | | |



Era University, Lucknow

| Name of the Program | Bachelor of Phys | siotherapy | | Year/ Semester: | III year/ V sem | | | |
|--------------------------------|--|--|---|---|----------------------|--|--|--|
| Course Name | Cardiothoracic conditions and surgery | Course Code: | BPT-506/ BPP 506 | Туре: | Theory/ Practical | | | |
| Credits | | 60 Hours | | | | | | |
| Evaluation Spread | Internal Continuous Assessment | 30 Marks | | End Term Exam: | 70 Marks | | | |
| Type of Course | Compulsory | √ c | ore | Creative | Life Skill | | | |
| Course Objectives | surgical treatn 2. They will also etiology, clini 3. The students v perform on lus | nent of heart ounderstand cal features, will also be a ng, heart and | lung, and ches the congenital sign and sympt ble to recogniz thoracic along | conditions of heart and l coms and treatment. e multiple types of proce with management. | ungs with their | | | |
| Course Outc | omes (CO): After th | ie successful | course comple | tion, learners will develo | p following | | | |
| COI | Students will gain a deep understanding of the anatomical structures and physiological functions of the heart, lungs, and other thoracic organs. | | | | | | | |
| CO2 | Students will be able to explain the pathophysiological mechanisms underlying commo cardiothoracic conditions, such as coronary artery disease, valvular heart disease, lun cancer, and congenital heart defects. | | | | | | | |
| CO3 | Students will acquire knowledge of the fundamental principles of cardiothoracic surgery, including pre-operative assessment, surgical techniques, and post-operative care. | | | | | | | |
| CO4 | Students will learn the importance of interdisciplinary teamwork in managing cardiothorace patients, including collaboration with cardiologists, pulmonologists, anesthesiologists, and other healthcare professionals. | | | | | | | |
| CO5 | Students will explore the ethical and professional issues specific to cardiothoracic surgery and medicine, such as patient consent, risk management, and end-of-life care. | | | | | | | |
| Pedagogy | Interactive, discussion-bases, student-centered, presentation. | | | | | | | |
| Internal Evaluation Mode | Mid-term Examination: 30 Marks Class test: 12 Marks Class participation or any other: 04 Marks Assignments/Project: 04 Marks Attendance: 04 Marks Class Presentation: 04 marks Bed Side behavior or Interaction in Class: 02 marks | | | | | | | |

| Session | | | | | To | pic | | | Hours | Mapped CO |
|--|---|---|----------|-----------|----------|---|---|--|---------------------|-----------------|
| Unit 1 | Cardiovascular System – Investigations: ECG, Exercise Stress Testing, Radiology Congenital Heart diseases – Acyanotic congenital heart disease & Cyanotic congenital heart disease: Patent Ductus Arteriosus, Coarctation of Aorta, Atrial Septa Defect, Ventricular Septal Defect, Tetralogy of Fallot, Transposition of Great Vessels; Acquired Heart Disease – Mitral Stenosis & Insufficiency, Aortic Stenosis and Insufficiency, Ischemic Heart Disease – Coronary Artery Disease, Cardiac tumors. | | | | | | | | COR | COI |
| Unit 2 Examination of Cardiothors Examination of the Respiratory System Radiographs, Pulmonary Function Testin Analysis, Chronic Bronchitis, Emphysem Cystic Fibrosis, Upper Respiratory Tract Tuberculosis, Fungal Diseases, Interstitiat the pleura, diaphragm and chest wall; Re Definition, types, causes, clinical features management. Practical – Exposure of patients with C | | | | | | | Chest Arterial Asthma, I ections, F ung Disea ratory fai iagnosis a | Blood Gas Bronchiectasis Pneumonia, ases, Diseases lure – and | | CO2 & CO4 |
| Respiratory Conditions Unit 3 Thoracic surgeries: Tho with emphasis to the site of Lung surgeries: Pneumo Indications, Physiologica Thoracoplasty, Pleurecton Lung. Cardiac surgeries — Bypass Machine — Extra of Open Heart surgery. Tra — Indications, Physiologic | | | | | | ns, muscley, Lobectes and Co codesis and view of the Operations Surgery — | es cut and omy, seg- omplication d Decortion e Cardion Closed Heart, Lu | S | CO3, CO4 &CO5 | |
| TO CON | | PSO Mapp | | | | | | | | |
| со | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| CO2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 |
| CO3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | • | - | 3 |
| CO4 CO5 | 3 | 1 | 2 | 3 | 2 | 3 | 2 | 1 | 2 2 | 2 3 |
| | Strong contribution-3, Average contribution-2, Low contribution-1, | | | | | | - 1 |); = 7(| | |
| | sted R | eadings: | urgery t | text book | c- S. Da | s thoracic s | urgery | | | |
| Reference Books | | Bailey and Love's – Short Practice of Surgery | | | | | | | | |

Para Text

Unit 1:

https://www.youtube.com/watch?v=Zrxiy0fIjFw

Unit 2:

https://www.youtube.com/watch?v=xIZQRjkwV9Q

Unit 3:

https://www.youtube.com/watch?v=bSCbdqGjAZ0

Recapitulation & Examination Pattern

| Internal Continuous Assess | ment: | |
|--|-------|---|
| Component | Marks | Pattern |
| Class test | 12 | Contains 01 long question. Question carries 04Marks. 02 Short questions. Each question carries 02Marks 04 multiple choice questions. Each question carries 01Marks |
| Class participation or any other | 04 | This to be made on activities and instruction given by subject teacher. |
| Marks Assignments/Project: | 04 | Assignment to be made on topics and instruction given by subject teacher |
| Class Presentation: | 04 | This to be made on topics and instruction given by subject teacher |
| Bed Side behavior or Interaction in Class | 02 | This to be made on activities and instruction given by subject teacher. |
| Attendance | 04 | As per policy |
| Total Marks | 30 | |