

Name of the Program	В	PT		Year/ Semester:	III yea	r/VI sem	
Course Name	RESEARCH METHODOLOGY AND BIOSTATISTICS	Course Code:	BPT 601	Туре:	T	heory	
Credits	0	4		Total Sessions Hours:	40 Hours		
Evaluation Spread	Internal Continuous 30 Marks Assessment			End Term Exam:	70	70 Marks	
Type of Course	Compulsory	• Core		Creative	1	Life Skills	
Course Objectives	Incorporate evide     Management.	ence based prac	ice into cli	nical decisions of	patient car	re and	
Course C	Outcomes (CO): After the s	uccessful cours attribute		n, learners will de	velop foll	owing	
CO1		Develop	Research	Skills			
CO2		Maste	r Data Ana	lysis			
CO3		Critically	Evaluate R	esearch			
CO4		Comm	unicate Fin	ding			
CO5		Apply Evid	ence-Base	1 Practice			
Pedagogy	Interactive, discussion-	bases, student	centered,	presentation.			
Internal Evaluation Mode	Mid-term Examination: 3 Class test: 12 Marks Class participation or any Marks Assignments/Proje Marks Attendance: 04 Marks Class Presentation: 04 Bed Side behavior or Inte	other:04 ect:04	:: 02		21	V	
Session Details		Topic			Hours	Mappe d CO	
UNIT 1	b. Research methods research. b. Research problem a. Statemen	of research, of on in research & research ap vs methodolog n:	ojectives o ch, Types proaches, cy, Criteria problem,	of Research for good Statement of	10	COI	

	NT		
	Necessity of defining the problem  c. Research design:  a. Meaning of research design, Need for research design, Features for good design, Different research designs, Basic principles of research design.  d. Measurement & scaling techniques:  a. Measurement in research-Measurement scales, sources of error in measurement, Technique of developing measurement tools, Meaning of scaling, its classification, important scaling techniques.		
	Methods of data collection and Measures of Central		
UNIT 2	a. Methods of data collection: collection of primary data, collection data through questionnaires & schedules, Difference between questionnaires & schedules.  b. Computer technology: Introduction to Computers, Computer Application in Research Computers & Researcher.  BIOSTATISTICS  c. Introduction: Meaning, definition, characteristics of statistics. Importance of the study of statistics, Branches of statistics, Statistics and health science, Parameters and Estimates, Variables and their types, Measurement scales.  d. Tabulation of Data: Basic principles of graphical representation, Types of diagrams –histograms, frequency polygons, smooth frequency polygon, cumulative frequency curve, Normal probability curve.  e. Measures of Central Tendency: Need for measures of central Tendency, Definition and calculation of Mean – ungrouped and grouped, interpretation and calculation of Median-ungrouped and grouped, Meaning and calculation of Mode, Geometric mean &Hormonic mean, Guidelines for the use of various measures of central tendency.	15	CO2 CO3
UNIT 3	Probability and Standard Distributions and Analysis of variance & covariance  a. Measures of Dispersion: Range, mean deviation, standard deviation & variance.  b. Probability and Standard Distributions: Meaning of probability of standard distribution, the binominal distribution, the normal distribution, Divergence from normality – skewness, kurtosis.  c. Correlation & regression: Significance, correlation	15	CO5 CO2 CO4

- e. Chi-square test, test of Goodness of fit & student t-test.
- f. Analysis of variance & covariance: Analysis of variance (ANOVA), what is ANOVA? Basic principle of ANOVA, ANOVA technique, Analysis of Co variance (ANACOVA)
- g. Sampling: Definition, Types- simple, random, stratified, cluster and double
- sampling. Need for sampling Criteria for good samples, Application of sampling in community, Procedures of sampling and sampling designs errors.

CO-PO	and P	SO Ma	pping							
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
COl	2	1	-	-	3	-	-	-	-	1
CO2	2			-3	1	- 55	0 158	3 5	-	1
CO3	2	-		2	1	2	- 2	0 2		1
CO4	2	-23	-88	- 83	-1	- 63	(+0)	19	- 83	2
CO5	2	-1		-3	2	- 53	158	j 15		1

Strong contribution-3,	Average contribution-2, Low contribution-1,
Suggested Readin	ngs:
Text- Books	Research Methodology by C. R. Kothari, New age international
Reference Books	Principles of Research Methodology: A Guide for Clinical Investigators, Phyllis G Supino, Jeffrey S. Borer, Springer Nature; 1st edition
Para Text	<ul> <li>https://www.youtube.com/watch?v=jyv9paQDYy0&amp;list=PLk3poRq <u>YftlhDGto5oSxeNeFWHzajbVuA</u></li> <li>https://www.youtube.com/watch?v=0dRtFDlb2Wk&amp;list=PLQnNyE <u>llxfVIZp27OorklluO5z8bJQVKD</u></li> </ul>

#### Recapitulation & Examination Pattern

#### Internal Continuous 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 04 Marks Assignments/Project: Assignment to be made on topics and instruction given by subject Class Presentation: 04 This to be made on topics and instruction given by subject teacher Bed Side behavior or 02 This to be made on activities and instruction given by subject Interaction in Class teacher. Attendance 04 As per policy 30 **Total Marks**



Name of the Program	Bachelor of Physiot	herapy		Year/Semester:	III year	/VI sem
Course Name	Neurology and Neurosurgery- II	Course Code:	BPT/ 602/ BPP 602	Туре:		heory & ractical
Credits		05		Total Sessions Hours:	60	Hours
Evaluation Spread	Internal Continuous Assessme:	30 Ma	rks	End Term Exam:	701	Marks
Type of Course	Compulsory	✓ Core		Creative	Life	Skill
Course Objectives	describe the parts 2. The students etiology, pathopl various neurologi	of nervous will able nysiology, cal condition will able	system & inv to understand clinical featu ons. to understand	ne student will be able vestigation, diagnosis & at the various conditionares, classification & a handle the different	t managen n & diseas treatment	ent. ses with thei methods fo
	mes(CO):Afterthesucc	essfulcours	secompletion,	learnerswilldevelopfoli	lowing	
attributes: CO1	To understand the inf	ections & l	orain tumors a	& spinal tumors.		
CO2	Identify and explain	he infection	n of brain & s	pinal cord.		
CO3	To understand and id	entify and	assess the diff	erent neurological cond	ditions.	
CO4	To analyze the impac	t of differe	nt neuro surge	eries.		
CO5				ological cases and hand nowledge with practica		ises will
Pedagogy	Interactive, discussio	n-bases, stu	dent-centered	l, presentation.		
Internal Evaluation Mode	Mid-term Examination Class test: 12 Marks Class participation of Marks Assignments/I Marks Attendance: 04 Mark Class Presentation: 0 Bed Side behavior or	any other : Project: 04 s 4 marks	04	marks		
Session Details	X-	I	opic		Hours	Mapped CO
Unit1	Infections and brain 1. Spinal cord disorder 2. Brain tumors and sp 3. Infections of brain a	s inal tumors	s	ors	20	CO1 & CO2

Unit2		1. Motor n 2. Multiple		es		hy		20	CO3
		Muscle of S.Polyneur		iuscular jun	iction				
Unit3		2. Toxic, n  Practical	geries ripheral neu netabolic an ssion for dit	d environm		ders		20	CO4 & CO5
CO-P	OandF	SOMappin	ıg						
CO	PO1	PO2	PO3 PO	4 PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3 2	1	2	*	-	3
CO2	3	2	3	3 3		2	1	-	2
CO3	3	3	3	3 2		3		-	2
CO4 CO5	3	2	2	3 3	- 3	3	1	2	3
	ntributio	_	Averagecontribu		Lowcontribu		1	1 1	3
Para	oks Text	Unit2: http Unit3:	ps://youtu.le	dg_DntAr	ıU8M?si=	lx4Cwi_ri	fXZu3Z7		
wo.nasa	marita octiv	ntinuous As	September 2015 Billion						
Comp	onent		Mark	s Patteri	n				
Class			12	02 Sho	rt questio	ns. Each o	question carr	rries 04Marks ies 02Marks estion carries	
Class : other	particip	oation or any	7 04		be made			struction give	
190019119000	30.5% <del>.M</del> 860	ments/Projec	1000	Assign: teacher		made on	topics and ir	struction give	n by subjec
	Present	, market 1	04	teacher				n given by su	Richard Control
		avior or	02	This to	be made	n activitie	es and instru	ction given by	subject

teacher. As per policy

04 **30** 

Interaction in Class

Attendance

**Total Marks** 



Name of the Program	Bachelor of Phys	iotherapy		Year/Semester:	III year	/ VI sem
Course Name	Community Medicine-II	Course Code:	BPT 603	Туре:	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	✓ Co	re	Creative	Life	Skill
Course Objectives	They sho     International le     To make	ould have a evel for varion the stude ssues of the	brief idea ous health iss ents aware patients & t	of environmental, social inculcate in the students	dividual, al, financ	National an
CourseOutco attributes:				n,learnerswilldevelopfollo	wing	
CO1	To understand the	preventive r	nedicine in o	bstetrics, pediatrics & geri	atrics.	
CO2	To understand the	nutrition &	health.			
CO3	To understand the	hospital was	ste managem	ent & occupational health.		
CO4	To understand the	disaster man	nagement.			
CO5	The students will	be able to un	derstand me	ntal health & learn about h	ealth educa	tion.
Pedagogy	Interactive, discus	sion-bases, s	student-cente	red, presentation.		
Internal Evaluation Mode	Mid-term Examina Class test: 12 Mar Class participation Marks Assignment Attendance: 04 M Class Presentation Bed Side behavior	rks n or any othe ts/Project: 0 arks n: 04 marks	r : 04 4 Marks	02 marks		
Session Details			Topic		Hours	Mapped CO
Unit1	children, Child hea children, MCH serv programmes 2. Nutrition & healt	Antenatal, In hth problems vices & indicate: th: Classifica	ntranatal & p , Rights of cl atpors of Mo	rics & Geriatrics ost natal care, Care of nild & National policy for CH care, Social welfare s, nutritional profiles of ution control, Disposal of	15	CO1 & CO2

		1. Disaster impact & r control, nu	manage response strition, i	ement: N , relief p rehabilit	phase, epi ation	man-mad demiolog	le disaster ic surveill	s, disaster ance & disea ards, diseases		CO3 & CO4
		prevention	of occu	pational	l diseases.	S.	17.		88	
Unit3		causes of r Emphasis physiother	eristics on mental il on comm apist in	of menta I health, nunity a mental I	ally health preventions spects of health pro	ny person, on. mental he blems	ealth, Role	nental illness of nealth educat		CO5
COD	Oand D	SO Mappi	n.a							
CO	POI	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	1	3	3	2	1	3	2.70	1.000	3
17.17.75			1.5.0	53						
CO2 CO3	3	3	2	3	3 2		2	2	-	2 2
CO4	3	2	2	3	1	-	3	1	2	2
	3	3	3	3	-		3	1	1	3
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Sugge Text-I	3 ontribution stedRes Books	adings: Textb  Unit1: http  Unit2: http  Unit3:	3 dveragecon ook of l ps://www	Prevent w.youtu.	ive & So be/B3hJE	cial Med EtCQmRA	3 on-1, licine- Dr A?si=5NV	r. JE Park QHkJnPqY- yHOYyM		3
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Stronger Sugge Text-I Para Recap Intern Comp	3 maribution stedRes Books Text  oitulation al Contonent test	adings: Textbo Unit1: http Unit2: http Unit3: http	ook of l ps://www ps://youtu sessmen	Prevent w.youtu. tu.be/gK 1.be/8AI Pattern nt: Iarks	ive & So be/B3hJE SPSKiB9 LxkCybtt	EtCQmR/ ETCQmR	3 on-1, licine- Dr A?si=5NV HiLglVr-P U8uBlaSx question. as. Each question.	question carries. Each que	CqOW  rries 04Marks.	1Marks
Stronger Sugge Text-I Para Recap Intern Comp Class Class other	stedRes Books Text  oitulational Containent test  Assignm	adings: Textbo Unit1: http Unit2: http Unit3: http on & Exam tinuous As	3 diveragecon ook of l ps://wwv ps://youtu ination sessmen M 12 7 04 ct: 04	Prevent w.youtu. tu.be/gK 1.be/8AI Pattern it: Iarks 2	ive & So be/B3hJE SPSKiB9 LxkCybtt Pattern Contains 02 Short 04 multi This to teacher. Assignment teacher	EtCQmR/ EtCQmr	January, and a control of the second of the	QHkJnPqY- yHOYyM  question carri uestion carri us. Each que ities and in	cqOW  rries 04Marks. es 02Marks stion carries 0 struction give	1Marks en by subject
Stronger Sugge Text-I Para  Recap Intern Comp Class Class Other Marks Class	stedRes Books Text  oitulation al Con onent test  Assignm	adings: Textb  Unit1: http  Unit2: http  Unit3: http: on & Exam  tinuous As  ation or any nents/Project ation:	3 dweragecon ook of l ps://www ps://youtu s://youtu ination sessmen 12 7 04 ct: 04	Prevent w.youtu. tu.be/gK 1.be/8AI Pattern nt: Iarks 2	ive & So be/B3hJE SPSKiB9 LxkCybtt Pattern Contains 02 Short 04 multi This to teacher. Assignm teacher	EtCQmR/ PE/si=al- Y/si=alcF  101 long t question iple choic be made	dicine- Di A?si=5NV HiLglVr-P U8uBlaSx question. as. Each question on activ	QHkJnPqY- yHOYyM  question carries. Each question carries and in	cqOW  rries 04Marks es 02Marks stion carries 0 struction give	1Marks en by subject i by subject iject teacher
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Name of the Program		BPT		Year/Semester:	III year/ VI sem
Course Name	Orthopaedics - II	Course Code:	BPT 604/ BPP 604	Туре:	Theory & Practical
Credits		05		Total Sessions Hours:	60 Hours
Evaluation Spread	Internal Continuous Assessment:	30 Marks		End Term Exam:	70 Marks
Type of Course	C Compulsory	© Core		C Creative	C Life Skill
Course Objectives	acquired def 2. Learn diagr diseases. 3. Understand inflammator and cervical 4. Apply multi 5. Learn indica 6. Understand conditions	causes, cl y and deger lumbar path disciplinary tions and ma	I bone and joint reatment appropriative conditions of the conditio	res, complications, a itions, syndromes, neu diagnosing and treating nciples of key orthoped management of regi	deformities and bon and management of fromuscular disorders of these conditions. tic surgeries. onal musculoskeleta
attributes:	nes (CO) : After the s	uccessjui co	urse completi	on, learners will develo	p jouowing
Course Outcome(CO)			Attribute	es	
CO1	Ability to diagno	se and plan t	reatment for d	leformities and bone dis	seases.
CO2	Improved clinical	skills in ma	naging compl	ex cases.	
CO3	Ability to diagr disorders.	ose and m	anage compl	ex musculoskeletal a	nd neuromuscular
CO4	Enhanced skills in	n holistic and	l multidiscipli	nary patient care.	
CO5	Ability to identify	and manag	e appropriate	surgical interventions	
CO6	Develop skills in	diagnosing a	and treating re	gional musculoskeletal	conditions.
Pedagogy	Interactive, discuss	ion-bases, st	udent-centered	d, 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	Торіс	Hours	Mapped CO
UNIT I Disease of Bones and Joints	<ol> <li>Deformities - clinical features, complications, medical and surgical management of the following Congenital and Acquired deformities.</li> <li>Congenital Deformities - CTEV. CDH. Torticollis. Scoliosis. Flat foot. Vertical talus. Hand anomalies-syndactyly, polydactyly and ectrodactly. Arthrogryposis multiplexcongenita (amyoplasia congenita). Limb deficiencies- Amelia and Phocomelia. Klippelfeil syndrome. Osteogenesis imperfect (fragile ossium). Cervical rib.</li> <li>Acquired Deformities - Acquired Torticollis. Scoliosis. Kyphosis. Lordosis. Genu varum. Genu valgum.Genu recurvatum Coxavara. Pescavus. Hallux rigidus. Hallux valgus. Hammer toe. Metatarsalgia.</li> <li>Disease of Bones and Joints: Causes, Clinical features, Complications, Management- medical and surgical of the following conditions:</li> <li>Infective conditions: Osteomyelitis (Acute / chronic). Brodie's abscess. TB spine and major joints like shoulder, hip, knee, ankle, elbow etc.</li> <li>Arthritic conditions: Pyogenic arthritis. Septic arthritis. Syphilytic infection of joints.</li> <li>Bone Tumors: classification, clinical features, management-medical and surgical of the following tumors: Osteoma. Osteosarcoma, Osteochondroma. Enchondroma. Ewing's sarcoma. Gaint cell tumor. Multiple myeloma. Metastatic tumors.</li> <li>Perthes disease, Slipped Capital Femoral Epiphysis and Avascular Necrosis.</li> <li>Metabolic Bone Diseases: Rickets. Osteomalacia, Osteopenia Osteoporosis.</li> </ol>	20 Hrs.	CO1 & CO2
UNIT II Inflammatory and Degenerative Conditions	<ol> <li>Inflammatory and Degenerative Conditions: causes, clinical feature, complications, deformities, radiological features, management- conservative and surgical for the following conditions: Osteoarthritis. Rheumatoid arthritis. Ankylosing spondylitis Gouty arthritis. Psoriatic arthritis. Hemophilic arthritis. Still's disease (juvenile rheumatoid arthritis). Charcot's joints. Connective Tissue Disorders-Systemic Lupus Erythematosis, Scleroderma, Dermatomyositis, Poliomyelitis, Mixed connective tissue Disease (MCTD)</li> <li>Syndromes: Causes, Clinical features, complications,</li> </ol>	20 Hrs.	CO3 & CO4

	management- conservative and surgical of the following :Cervico brachial syndrome. Thoracic outlet syndrome. Vertebro- basilar syndrome. Scalenus syndrome. Costoclavicular syndrome. Levator scapulae syndrome. Piriformis syndrome.  5. Neuromuscular Disorders: Definition, causes, clinical feature, complications, management. (Multidisciplinary approach) medical and surgical of the following conditions: Cerebral palsy.Poliomyelitis.Spinal Dysraphism.Leprosy.  6. Cervical and Lumbar Pathology: Causes, clinical feature, patho-physiology, investigations, management-Medical and surgical for the following: Prolapsed interverbral disc (PID), Spinal Canal Stenosis. Spondylosis (cervical and lumbar) Spondylolysis. Spondylolisthesis. Lumbago/Lumbosacral strain. Sacralisation. Lumbarisation. Coccydynia.Hemivertebra PRACTICAL  Practical based on radiological features		
UNIT III Orthopedic Surgeries	7. Orthopedic Surgeries: Indications, Classification, Types, Principles of management of the following Surgeries: Arthrodesis. Arthroplasty (partial and total replacement). Osteotomy, External fixators. Spinal stabilization surgeries (Harrington's, Luque's, Steffi plating) etc., Limb re-attachments.  8. Regional Conditions: Definition, Clinical features and management of the following regional conditions Shoulder: Periarthritic shoulder (adhesive capsulitis). Rotator cuff tendinitis. Supraspinatus Tendinitis. Infraspinatus Tendinitis. Bicipital Tendinitis. Subacromial Bursitis.  • Elbow: Tennis Elbow. Golfer's Elbow. Olecranon Bursitis (student's elbow). Triceps Tendinitis.  • Wrist and Hand: De Quervain's Tenosynovitis. Ganglion. Trigger Finger/ Thumb. Mallet Finger, Carpal Tunnel Syndrome, Dupuytren's Contracture.  • Pelvis and Hip: IT Band Syndrome. Piriformis Syndrome. Trochanteric Bursitis.  • Knee: Osteochondritis Dissecans. Prepatellar and Suprapatellar Bursitis.Popliteal Tendinitis. Patellar Tendinitis. Chondromalacia Patella. Plica Syndrome. Fat Pad Syndrome (Hoffa's syndrome).  • Ankle and Foot: Ankle Sprains. Plantar Fasciitis / Calcaneal Spur.Tarsal Tunnel Syndrome. Achilles Tendinitis. Metatarsalgia. Morton's Neuroma.	Hrs.	CO5 & CO6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
COl	3	3	3	3	1	3	2	-	-	1
CO2	2	2	3	2	1	1	1	-	-	1
CO3	3	3	3	3	1	3	2	1.0	-	1
CO4	1	2	3	2	1	3	2		- 19	1
CO5	3	3	3	3	1	3	2	-	-	1
CO6	3	3	3	3	1	3	2	14	- 2	1
Strongco	ntribution-	3,	Average cont	ibution-2,	Low con	tribution-1,			•	
1 ext-1	Books			rthopaedic			12.1			
1 ext-1	SOOKS	2.	Essential C Fextbook o Apley Syst	f Orthopae	edics: Kot	wal and N				
Refe	rence	2. 3. 3. 1. E	Textbook o	of Orthopae em of ortho inical Orth	edics: Kot opedics ar opaedics t	wal and N nd Fracture	e -			
Refe	rence oks	2. 3 1. E 2. O	Textbook of Apley Syst	of Orthopae em of ortho inical Ortho acture: Ad	edics: Kot opedics ar opaedics t ams	wal and N nd Fracture by John Ek	e -			

https://youtu.be/pnKaBMvVUs0
 https://youtu.be/A6j1VW2JE9M
 https://youtu.be/DWP4GmVGpeA

## Recapitulation & Examination Pattern

### Internal Continuous Assessment

Component	Marks	Pattern					
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						



Name of the Program	Bachelor of Physio	therapy		Year/ Semester:	III year/ VI sem								
Course Name	Sports	Course Code:	BPT 605/ BPP 605	Type:	Tì	neory+ Practical							
Credits		05	1.	Total Sessions Hours:	60 Hours								
Evaluation Spread	Internal Continuous Assessment:	30 N	<b>Iarks</b>	End Term Exam:	70 1	Marks							
Type of Course	Compulsory	✓ (	Core	Creative	Life Skill								
Course Objectives	physiology, patholog	gy, pharma	cology & radiolo	effects of different or egy in the restoration tation of evidence ba	of basic kr	nowledge of sports							
Course Outc	omes (CO): After the												
Course Outcome (CO)			Attı	ributes									
COl	Students will be able to understand treatment guidelines of different soft tissue injuries.												
CO2	Student will underst	and about	mechanism of d	ifferent soft tissue	injuries.	100							
CO3	Student will understand about mechanism of different soft tissue injuries.  Student will acquire knowledge of conservative management of different sports injuries.												
CO4				management of dif									
Pedagogy	Interactive, discussion	on-bases, s	tudent-centered,	presentation.									
Internal	Mid-term Examinati		rks	7									
Evaluation	Class test: 12 Mark		579505 9										
Mode	Class participation of Assignments/Project Attendance: 04 Mark Class Presentation: 0 Bed Side behavior of	t: 04 Mark ks 04 marks	S	arks									
Session Details	Topi	c			Hours	Mapped CO							
Unit 1	1. Treatment guide Acute, Sub acute an ruptureof muscle, te injuries- prevention sprain of ankle. Rot Cruciate injuries off Supraspinatus and I and Subacromial bustrains, Quadriceps tenosynovitis. Trigge	8	CO1										

Unit 2	Head	anism se & face	- ma	707	5	CO2				
	1.00	, contus		47000			s such as s vitis, tend	23 23 1		
Unit 3	Should cuff to Tendir dyskin Olecra • Wris Tenos	der: Per endinitis nitis. Bio esis • E non Bu et and H ynovitis er, Carpa	capular nitis.	7	CO3					
Unit 4	Finger, Carpal Tunnel Syndrome, Dupuytren's Contracture.  Mechanism soft injuries of Pelvis and lower limb  • Pelvis and Hip: IT Band Syndrome. Piriformis Syndrome.  Trochanteric Bursitis.osteitis pubis • Knee:  OsteochondritisDissecans. Prepatellar and Suprapatellar  Bursitis Popliteal Tendinitis., swimmers knee, patello-femoral pain syndrome. Meniscal injuries of knee. Cruciate injuries of knee. Medial and lateral collateral injuries of knee. Lateral ligament of ankle. Wrist sprains. Strains quadriceps, hamstrings, calf, biceps, triceps etc. Contusions-quadriceps, gluteal, calf, deltoid etc. Patellar Tendinitis.  Chondromalacia Patella Plica Syndrome. Fat Pad Syndrome (Hoffa'ssyndrome). Ankle and Foot: Ankle Sprainsshin splint, bursitis, turf toe syndrome Plantar Fasciitis / Calcaneal Spur. Tarsal Tunnel Syndrome. Achilles									CO4
Practical	Evalua Muscu Assess Specia	tion of P loskeleta ment of I I Physic d of app	hysical 1 screen Upper & al Test	Fitness. ing. lower l of Diff	imb comp ferent sp	olex. orts injur	ies. different :	sports	20	
CO-PO Ma	nning							1.0	10	
CO	POl	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
COI	3	2	3	1	2	1		3	1	2
CO2	1	1	2	3	2	3	1		2	1
CO3 CO4	2		. 1	1	5	1	3	2	2	3
trongcontributi	on-3.	Averna	econtribut	он-2.	Louvas	wibution-1.			1 -	

#### Suggested Readings:

Reference Books-L. Prentice, William E., Rehabilitation Techniques in Sports Medicine, St. Louis: McGraw Hill Publishing

Company.

2. Gray, Gary W., Lower Extremity Functional Profile, 1st Edition, Adrian, MI: Wynn Marketing.

3. Prentice, W. "Therapeutic Modalities for Allied Health Professionals" McGraw Hill.

4. Norkin& White: Measurement of Joint Motion - A Guide to Goniometry - F. A. Davis.

5. Dvir: Isokinetics: Muscle Testing, Interpretation and Clinical Applications, W.B. Saunders.

# e-Learning Source: 1. https://www.researchgate.net/publication/278786039\_'Shin\_Splints'\_\_\_Medial\_Tibial\_Stress\_Syndrome\_A\_Review\_of\_the\_Literature 2. https://www.researchgate.net/publication/7535422\_Sports\_massage\_A\_comprehensive\_review 3. https://www.weber.edu/wsuimages/employeewellness/Resistance%20Training.pdf Recapitulation & Examination Pattern Internal Continuous Assessment: Component Marks Pattern Class Test 12. Contains 01 long question\_question\_carries 04Marks

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	



# Era University, Lucknow

Course Outline: 2024-2025

Name of the Program	Bachelor of Physiothe	rapy		Year/Semester:	П	I year/VI sem			
Course Name	Health Promotion, Fitness And Wellness	Fitness And Code: BP		Type: 4th Sem		Theory & Practical			
Credits				Total Sessions Hours:		60 Hours			
Evaluation Spread				End Term Exam	:	70Marks			
Type of Course	Compulsory		✓ Core	Creative	Life Skill				
Course Objectives	This course includes dis of control, public health screening, and assessme for primary and seconda	h initiative, nt consideri	and psycho-Social ng epidemiological	, spiritual and cultu principles are empha	ral considerated Ri	deration. Health risk sk reduction strategie			
Course Outco	mes(CO): After the succes								
CO1		esign and im				models, learning how ors and well-being in			
CO2	Students will acqu	ire the skills	s to design, implement, and evaluate fitness and wellness programs that lithy lifestyles, and overall fitness, tailored to various age groups and						
CO3				develop preventive strategies to manage and reduce lifestyle interventions.					
CO4	Students will deve	lop the abili		lly sensitive health p	romotion	and fitness programs			
CO5	Students will learn	to measure	the effectiveness of			and fitness programs, target populations.			
Pedagogy	Interactive, discu	ssion-based,	student-centered, p	resentation.					
Internal Evaluation M	Mid-term Examin Class test: 12 Ma Class participatio Assignments/Proj Attendance: 04 M Class Presentation Bed Side behavior	arks n or any oth ject: 04 Mar farks n: 04	er : 04 Marks ks						
Session Details			Topic	Pr 20 Mar 20	Hours	Mapped CO			
Unit1	Defining Health b Medicine and Con of Prevention Pra	Predictions wentional M etice. 2. He education R	s of Health Care c. fedicine d. Distingu calthy People a. D	or physiotherapy a. Comparing Holistic hishing Three Types efinition of healthy otherapist role for a	CO1				

		<ol> <li>Key</li> </ol>	conce	epts of	fitne	ss a. I	efining	& M	leasurin	g Fitne	ess b.		8:		
Unit2			essment of Stress with a Survey c. Visualizing Fitness d.										CO2		
			Screening for Mental and Physical Fitness e. Body Mass Index												
		calculations. 4. Fitness training a. Physical Activities Readiness													
	Questio	onnaire	b. Phy	sical A	Activitie	ıms d.									
						5. Hea									
				ood and			000ef (507)								
	- 3	б. Неа	lth, fitn	ess, an	d well	lness du	health								
Unit3	3	issues:	focus	ults 9.	20	C	O3								
		Resour	ces to	optimiz	e heal	th and	wellness	10. H	lealth pr	rotectio	n. 11.				
		Preven	tion pr	actice	for m	usculos	keletal	conditi	ions 12	. Preve	ention				
	9	practic	e for c	ardiopu	lmona	ry cond	litions	13. Pre	vention	practi	ce for				
		neuron	nuscula	r condi	tions	14. Prev	vention	practic	e for in	ntegume	entary				
						ractice f					V. C C. C. V. V. S.				
						ealth an					v-11780/856				
	-		200000000000000000000000000000000000000												
CO-POandPSO	and the same of the same of														
CO	PO1 3	PO2	PO3	PO4	PO5	PO6	PO7 2	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO2	3	3	3	3	100	3	1	1	-	-	-	-	-	10.00	
CO3	3	2	3	3	-	3	2	2	2	-	-	12	2	727	
CO4	3	2	3	3	S-1	3	3	3	-	-	121	-	2	(4)	
CO5 Strongcontribution-3,	3	2 Avera	gecontrib	100m-2		Lowcontrib	urion-1	1 2		ļ -	-		ا - ا	_	
uggested Reading	os: Th	- AND ALERA	•	AND COMPANY OF THE PARTY OF THE			CONT. CO. C. C.	anes Br	v Colhy	Kisner	Caroly	n:			
Reference Boo								ques D.	Color	22303303	Cur ory				
Kelei ence Doo			The Fitness Mindset by Brian Keane Fitness Professional's Handbook by Edward T. Howley (Editor); Dixie L. Thompson (Editor)												
	- 21	Handbook Of Health & Fitness													
			aneswill'sFoundations For Health Promotion												
ParaText									ducts/be	ooks/10-	best-bo	oks-on-l	nealth-fit	ness-	
I MI WI CAN		https://economictimes.indiatimes.com/top-trending-products/books/10-best-books-on-health-fitness- nutrition/articleshow/99136044.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cpp													
		https://www.youtube.com/watch?v=5ixbMqWL0ag													
		https://www.youtube.com/watch?v=a0C997rWafA													
	- 1	https://v	ttps://www.youtube.com/watch?v=h3GIxIWZKYs												
Recapitulation	& Fx	amina	tion Pa	ttern											
(i)															
Internal Contin	uous	Assess	ment:	135		D-44									
			Mar		Pattern  Contains 01 long question. question carries 04Marks.										
Class test			12	11.52				PCMEDIBILI-SDSOFF							
					100.0	02 Short questions. Each question carries 0								211	
					04 multiple choice questions. Each question							carrie	olMar	ks	
Class participation or any other 04			0.4		This to be made on activities and instruction given by subject teacher										
					39	Thus to b	e made	on acti	ivities :	and inst	ruction	given	by subje	ct teacher.	
	SHOWER SAFE	VIII 1200-02	ner	04		MARKADA ISCH	posta nacesta isa	er man mennen	ECCUSION STATE	on the section of the				ct teacher. ubject teacl	
	nts/Pr	VIII 1200-02	ner	10	I	Assignm	ent to b	e made	on top	ics and	instruc	tion giv		ubject teacl	

This to be made on activities and instruction given by subject teacher.

Bed Side behavior or Interaction in

Class

Attendance

**Total Marks** 

02

04 **30**  As per policy