

# THE UNIVERSITY OF BURDWAN



## **Draft** SYLLABUS FOR 4-YEAR

### **Bachelor of Physical Education and Sports (BPES)**

**Based on NEP-2020**

*May be effect from the session 2023-2024*

Total Credit- 174

\*UG Certificate- 40 Credit (SEM- I & II)

\*\* UG Diploma- 83 Credit (SEM- I to IV)

\*\*\*3 Years Degree- 124 Credit (SEM- I to VI)

4 Years UG Degree Honours - 174 Credit (SEM- I to VIII)

\*\*\*\*4 Years UG Degree Honours with Research - 174 Credit (SEM- I to VIII)

**Major:** Physical Education; **Minor:** Sports /Sports Science

Semester	Course Type	Level	Name of the Course	Credit	Lect.	Tuto.	Pract./Viva	Full Marks	Distribution of Marks		
									Theory	Pract. / Tuto./ Viva-voce	Internal Assessment
<b>I</b>	Major/DS Course (Core)	100-199	Foundation and History of Physical Education and Sports Science	4	3/3/0	1/0/0	0/1/4	75	60/40	0/20	15
	Minor Course	100-199	Introduction to Exercise and Sports	4	3/3/0	1/0/0	0/1/4	75	60/40	0/20	15
	Multi/Interdisciplinary		Fitness and Wellness	3	2/2/0	1/0/0	0/1/3	50	30/40	10/0	10
	Ability Enhancement Course (AEC) [L1-1 MIL]		Arabic/ Bengali/ Hindi/ Sanskrit/ Santali/ Urdu or Equvlnt. Course from SWAYAM or UGC recognized others	2	2	0	0	50	40	0	10
	Skill Enhancement Course (SEC)		Exercise and Sports for Elementary Students	3	2/2/0	1/0/0	0/1/3	50	30/40	10/0	10
	Common Value Added (CVA) Course		Environmental Science/ Education	4	3/3	1/0	0/1	100	60	20	20
	<b>Total</b>			<b>20</b>				<b>400</b>			

Semester	Course Type	Level	Name of the Course	Credit	Lect.	Tuto.	Pract./Viva	Full Marks	Distribution of Marks		
									Theory	Pract. / Tuto./ Viva-voce	Internal Assessment
<b>II</b>	Major/DS Course (Core)	100-199	Health and Wellness Education	4	3/3/0	1/0/0	0/1/4	75	60/40	0/20	15
	Minor Course	100-199	Introduction to Life Style Management	4	3/3/0	1/0/0	0/1/4	75	60/40	0/20	15
	Multi/Interdisciplinary		Yoga Vyayama	3	2/2/0	1/0/0	0/1/3	50	30/40	10/0	10
	Ability Enhancement Course (AEC)[L <sub>2</sub> -1]		English or Equvlt. Course from SWAYAM or UGC recognized others	2	2	0	0	50	40	0	10
	Skill Enhancement Course (SEC)		Sports Massage	3	2/2/0	1/0/0	0/1/3	50	30/40	10/0	10
	Common Value Added (CVA) Course			4	3/3	1/0	0/1	100	80/60	0/20	20
Skill based vocational course (addl. 4 Cr) during summer term for 8 weeks, who will exit the programme after securing 40 cr.											
For UG Certificate 40 cr + Additional 4 cr (work based vocational course) = 44 cr. Students are allowed to re-enter within 3 years within the stipulated max. period of 7 years											
<b>Total</b>				<b>20</b>				<b>400</b>			

## SEMESTER- I

### Name of the Course: Foundation and History of Physical Education and Sports Science

Course Type: Major Course

Credit: 4 (Lect.- 3 & Tuto.- 1)

Full Marks- 75 (Theory: 40, Practical: 20 & Internal Assessment: 15)

#### Objectives:

- i. Students may understand the historical development and the concept of Physical Education, Exercise and Sports Science
- ii. Students may learn the Philosophical, Biological, Psychological and Sociological foundation of this subject

#### Outcomes:

- i. Students may know the strong background of Physical Education, Exercise and Sports Science
- ii. This subject may generate vibration for further development of Physical Education, Exercise and Sports Science

#### **UNIT- 1: Concept of Physical Education, Exercise and Sports Science**

**L- 5H**

- 1.1 Meaning, Definition and Scope of Physical Education, Exercise and Sports Science
- 1.2 Aim and Objectives of Physical Education, Exercise and Sports Science
- 1.3 Modern concept of Physical Education, Exercise and Sports Science
- 1.4 Importance of Physical Education, Exercise and Sports Science in Modern society

#### **UNIT- 2: Historical Development of Physical Education, Exercise and Sports Science**

**L- 10H**

- 2.1 Ayurveda: Concept of human, Yoga, Vyayama (exercise) and Krida (Sports)
- 2.2 Historical development of Physical Education and Sports in India of Pre-Independence period
- 2.3 Historical development of Physical Education and Sports in India of Post-Independence period
- 2.4 National Sports Awards: Major Dhyan Chand Khel Ratna Award, Arjuna Award, Dronacharya Award

#### **UNIT- 3: Olympic Movement, Commonwealth and Asian Games**

**L- 15H**

- 3.1 Ancient Olympic Games
- 3.2 Modern Olympic Games, Objectives, Motto, Flag, Emblem, Torch, Oath and Olympic Village, Opening Ceremony and Closing Ceremony
- 3.3 Historical background of Commonwealth and Asian Games
- 3.4 Analysis of Indian Sports performance: Olympic, Commonwealth and Asian Games

#### **UNIT- 4: Foundation & Principles of Physical Education, Exercise and Sports Science**

**L- 15H**

- 4.1 Philosophical Foundation: Idealism, Realism, Pragmatism and Naturalism in Physical Education
- 4.2 Biological Principles: Meaning and definition of growth and development. Factors affecting growth and development. Differences of growth and development. Principles of growth and development. Age: Chronological age, anatomical age, physiological age and mental age
- 4.3 Psychological Foundation- Meaning and definition of Psychology and Sports Psychology. Importance of Psychology and Sports Psychology in Physical Education, Exercise and Sports Science
- 4.4 Sociological Foundation: Meaning and definition of Sociology, Society and Socialization. Role of games and sports in National and International integration

#### **FIELD PRACTICAL (Preparation of Record Book is Compulsory)**

**P-30H**

1. Physical Fitness Test through AAHPERD (10 Marks)
2. Preparation of record book of Indian Sports performance (10 Marks)

## **SEMESTER- I**

**Name of the Course: Introduction to Exercise and Sports**

**Course Type: Minor Course**

**Credit: 4 (Lect.- 3 & Tuto.- 1)**

**Full Marks- 75 (Theory: 60 & Internal Assessment: 15)**

**Objectives:**

- i. To educate the students about exercise & sports and science behind it
- ii. To improve the students understanding about the benefit of regular exercise and sports

**Outcomes:**

- i. Students may be interested for participating in exercise and sports
- ii. Students may convince others for exercise and sports participation

**UNIT- 1: Physiological aspects of Exercise and Sports**

**L- 15H**

- 1.1 Exercise and Sports in the life sciences: Level of Biological organization
- 1.2 Human Physiological System: Homeostasis, Cardiovascular system
- 1.3 Energy Balance: Food and Diet; Body composition and its measurements
- 1.4 Lifestyle factors affecting health

**UNIT- 2: Psychological aspects of Exercise and Sports**

**L- 15H**

- 2.1 Human Psychological system: Personality, Motivation, Emotion, Memory and Intelligence
- 2.2 Exercise and Psychological health: Body image and Self esteem
- 2.3 Psychology of Sports: Leadership and group dynamics
- 2.4 Psychology of Motor learning and performance: Individual difference and learning

**UNIT- 3: Sociological aspects of Exercise and sports**

**L- 15H**

- 3.1 Meaning, definition, concept of Sociology and Society
- 3.2 Social values of exercise, games and sports
- 3.3 Socialization through exercise, games and sports
- 3.4 Role of exercise, games and sports in national and international integration

**UNIT- 4: Nutritional aspects of Exercise and Sports**

**L- 15H**

- 4.1 Nutrition: Micro and Macro nutrition
- 4.2 Balance diet: Factors, Importance and Principles
- 4.3 Diet for pre, during and after exercise
- 4.4 Preparation of Diet chart for sports persons

## **SEMESTER- I**

**Name of the Course: Fitness and Wellness**

**Course Type: Multidisciplinary**

**Credit: 3 (Lect.- 2 & Tuto.- 1)**

**Full Marks- 50 (Theory: 40 & Internal Assessment: 10)**

**Objectives:**

- i. To educate students about physical fitness, mental fitness and wellness
- ii. To motivate students for maintaining own fitness and wellness

**Outcomes:**

- i. Students may accept fitness and wellness programme in daily life
- ii. They may lead healthy lifestyle and convince others

**UNIT- 1: Health Related Physical Fitness**

**L- 15H**

- 1.1 Concept of Fitness and Physical Fitness
- 1.2 Concept of Health Related Physical Fitness
- 1.3 Components of Health related Physical Fitness
- 1.4 Assessment Techniques of Health related Physical Fitness

**UNIT- 2: Performance Related Physical Fitness**

**L- 15H**

- 2.1 Modern concept of Physical Fitness
- 2.2 Concept of Performance Related Physical Fitness
- 2.3 Components of Performance related Physical Fitness
- 2.4 Assessment Techniques of Performance related Physical Fitness

**UNIT- 3: Wellness**

**L- 15H**

- 3.1 Concept of Wellness
- 3.2 Aim and Objectives of Wellness
- 3.3 Components of Wellness
- 3.4 Importance of Wellness in the Modern Society

## SEMESTER- I

**Name of the Course: Exercise and Sports for Elementary Students**

**Course Type: Skill Enhancement Course (SEC)**

**Credit: 3 (Practical: 3)**

**Full Marks- 50 (Practical: 40 & Internal Assessment: 10)**

### **Objectives:**

- i. Prepare the students to organise exercise & sports for elementary school children
- ii. Students may develop self-confidence about nurturing elementary students

### **Outcomes:**

- i. Students may get jobs in nursery, kindergarten, play school and elementary school
- ii. Students may start their own play school in their area

### **Unit- 1: Exercise for Elementary Students**

**P- 30H**

- 1.1 Rhymes Exercise
- 1.2 Mimicking Exercise
- 1.3 Partner Exercise

### **Unit- 2: Recreational Games for Elementary Students**

**P- 30H**

- 2.1 Recreational Games- Individual
- 2.2 Recreational Games- Group
- 2.3 Recreational Games- with Teacher / Parents

### **Unit- 3: Sports for Elementary Students**

**P- 30H**

- 3.1 Fundamental Movement Sports
- 3.2 Low Level Individual Sports
- 3.3 Low Level Group Sports

## SEMESTER- II

**Name of the Course: Health and Wellness Education**

**Course Type: Major Course**

**Credit: 4 (Lect.- 3 & Tuto.- 1)**

**Full Marks- 75 (Theory: 40, Practical: 20 & Internal Assessment: 15)**

**Objectives:**

- i. To educate students about good and bad health habits
- ii. To prepare students about wellbeing and wellness culture

**Outcomes:**

- i. Mental set up would be ready for maintaining good health habits
- ii. Students may follow wellness guidelines

**Unit- 1: Health and Health Education**

**L- 9H**

- 1.1 Concept, Definition, Spectrum and Dimension of Health
- 1.2 Definition, aim, objectives and principles of Health Education
- 1.3 Health Agencies: World Health Organization (WHO), United Nations Educational Scientific and Cultural Organization (UNESCO)
- 1.4 School Health Program: Health Service, Health Instruction, Health Supervision, Health appraisal and Health Record

**Unit- 2: Health Problems in India- Prevention and Control**

**L- 12H**

- 2.1 Communicable Diseases: Malaria, Dengue and COVID-19
- 2.2 Modern life and lifestyle diseases
- 2.3 Life style Diseases (Hypokinetic): Obesity and Diabetes
- 2.4 Life style Diseases (Hyperkinetic): Hypertension, Psychological Disorder

**Unit- 3: Nutrition**

**L- 12H**

- 3.1 Concept, Meaning, definition and role of Nutrition
- 3.2 Macro nutrients and micro nutrients
- 3.3 Role of macro and micro nutrients for exercise
- 3.4 Factor to consider for developing nutritional plan in sports

**Unit- 4: Physical Fitness and Wellness**

**L- 12H**

- 4.1 Concept of Physical Fitness
- 4.2 Components of Health and Performance related Physical Fitness
- 4.3 Concept of Wellness and modern lifestyle
- 4.4 Components of Wellness

**FIELD PRACTICAL (Preparation of Record Book is Compulsory)**

**P- 30H**

1. Measurement of Health related physical fitness (10 Marks)
2. Measurement of performance related physical fitness (10 Marks)



## **SEMESTER- II**

**Name of the Course: Introduction to Life Style Management**

**Course Type: Minor Course**

**Credit: 4 (Lect.- 3 & Tuto.- 1)**

**Full Marks- 75 (Theory: 60 & Internal Assessment: 15)**

### **Objectives:**

- i. Students may understand the modern life and its positive management skill
- ii. Students will be educated about lifestyle diseases

### **Outcomes:**

- i. Students may repair flaws in lifestyle and advice others
- ii. Students may start practicing positive lifestyle skills

### **Unit- 1: Introduction**

**L- 15H**

- 1.1 Meaning and Definition of Health and Hygiene, Modern Lifestyle, Lifestyle Management
- 1.2 Healthy Lifestyle Management: Components (Diet, Sleep, Exercise, Emotion Controls, Relaxation, Social Health), Benefits
- 1.3 Life for Environment (LiFE) Movement
- 1.4 Sustainable, Local, Organic, Whole (SLOW) Movement

### **Unit- 2: Lifestyle and Metabolic Disorders**

**L- 15H**

- 2.1 Obesity: Meaning, Definition, Types, Causes, Diagnosis Method
- 2.2 Obesity Management through Lifestyle
- 2.3 Diabetes: Meaning, Definition, Types, Causes, Diagnosis Method
- 2.4 Diabetes Management through Lifestyle

### **Unit- 3: Lifestyle and Cardio-respiratory Disorders**

**L- 15H**

- 3.1 Hypertension: Meaning, Definition, Types, Causes, Diagnosis Method
- 3.2 Hypertension Management through Lifestyle
- 3.3 Asthma: Meaning, Definition, Types, Causes Diagnosis Method
- 3.4 Asthma Management through Lifestyle

### **Unit- 4: Lifestyle and Musculo-skeletal Disorder**

**L- 15H**

- 4.1 Postural Disorders: Posture- Meaning, Definition, Types (Dynamic Posture and Static Posture), Normal Posture, Benefits. Postural Disorders- (Spine: Kyphosis, Lordosis, Scoliosis; Leg: Bow leg, Knock nee, Flat foot), Meaning, Definition, Causes
- 4.2 Postural Disorders Management through Lifestyle.
- 4.3 Back pain: Meaning, Definition, Types, Causes, Diagnosis Method
- 4.4 Back pain management through Lifestyle

## SEMESTER- II

**Name of the Course: Yoga Vyayama**

**Course Type: Multidisciplinary**

**Credit: 3 (Practical)**

**Full Marks- 50 (Practical: 40 & Internal Assessment: 10)**

### **Objectives:**

- i. To know the benefit of yoga in daily life
- ii. To understand the utility of regular scheduled vyayama

### **Outcomes:**

- i. After practicing Yoga vyayama students may feel its flavour
- ii. They may include it in their daily routine

### **Unit- 1: Vyayama**

**P- 30H**

1. Suksma Vyayama: Netra-Sakthi Vikasaka (Eye), Kapola-Sakthi Vikasaka (Cheek), Karna-Sakthi Vikasaka (Ear), Griva-Sakthi Vikasaka (Neck)
2. Sthula Vyayama: Rekha-Gati, Hrd-Gati, Utkurdana, Urdhva-Gati, Sarvanga-Pusti

### **Unit- 2: Asanas**

**P- 30H**

1. Vishramasana (Relaxative Posture): Shavasana, Makarasana
2. Dhyanasana (Meditative Posture): Sukhasana, Padmasana, Vajrasana, Sastikasana
3. Swasthyasana (Cutural Posture):

Standing Posture: Ardachandrasana, Brikshasana, Padahastasana

Sitting Posture: Ardhakurmasana, Paschimottanasana, Gomukhasana

Supine Posture: Setubandhasana, Halasana, Matsyasana

Prone Posture: Bhujangasana, Salvasana, Dhanurasana

### **Unit- 3: Pranayama and Meditation**

**P- 30H**

1. Pranayama
  - a. Anulom-Vilom
  - b. Bhastrika
  - c. Bhramari
2. Meditation
  - a. Sakshi-Bhava
  - b. Maitri-Bhava
  - c. OM-Meditation

## **SEMESTER- II**

**Name of the Course: Sports Massage**

**Course Type: Skill Enhancement Course (SEC)**

**Credit: 3 (Practical: 3)**

**Full Marks- 50 (Practical: 40 & Internal Assessment: 10)**

### **Objectives:**

- i. To prepare the students about basic and advance massage in Indian style (Mardana) and western style
- ii. To educate the students about the special types of sports massage

### **Outcomes:**

- i. Students may join in the massage parlor, spa centre and health club
- ii. Students may be self employed as a masseur

### **Unit- 1: Historical and Scientific Background of Massage (Record Book Preparation) P- 30H**

- 1.1 Massage in Ancient time in India and abroad
- 1.2 Relationship of Anatomy and Physiology to massage and body work
- 1.3 Physiological changes during massage- muscular, circulatory, lymph-vascular system
- 1.4 Roll of Therapeutic massage in stress and pain

### **Unit- 2: Techniques of Massage**

**P- 30H**

- 2.1 Superficial Massage- Rubbing, Scrubbing, Wringing, Stoking
- 2.2 Deep Tissue Massage- Rolling, Stretching, Gripping, Kneeding
- 2.3 Massage with different oil and aroma
- 2.4 Ayurvedic Massage

### **Unit- 3: Techniques Sports Massage**

**P- 30H**

- 3.1 Compression and Broadening
- 3.2 Friction
- 3.3 Effleurage
- 3.4 Petrissage