

# **PHYSICAL EDUCATION**

**OPEN COURSE TITLE & CODE : HEALTH AND FITNESS EDUCATION (PE 1551)**

## **Syllabus**

### **Module: 1. Introduction to Physical Education and Health**

- ❖ Meaning, Definition, Objectives and Importance of Physical Education.
- ❖ Concepts of Health & Physical Education
- ❖ Meaning, Definition and Dimensions of Health (Physical, Mental, Social, Spiritual and Emotional)
- ❖ Factors Affecting Health (Biological, Personal, Environmental & Socio-cultural factors)

### **Module: 2. Scientific Basis of Physical Activity**

- ❖ Benefits of Exercises
- ❖ Effects of Exercises on Circulatory and Respiratory System.
- ❖ Heart Rate, Blood Pressure & Body Mass Index
- ❖ Types of Exercises (Aerobic & Anaerobic Exercises)
- ❖ Body Types (Endo morph, mesomorph, ectomorph)

### **Module: 3. Exercise and Fitness Training**

- ❖ Physical Fitness- Health Related physical Fitness and Performance Related Physical Fitness
- ❖ FITT Principles (Frequency, Intensity, Time and Type of Exercise)
- ❖ Exercises for improving Speed, Strength, Endurance, Flexibility and Co-coordinative abilities)
- ❖ Hypo-Kinetic diseases, causes and their management (Diabetes Mellitus, Obesity, Hypertension, and Coronary Heart Diseases (CHD)).
- ❖ Exercise Prescription

#### **Module: 4. Nutrition, First Aid and Posture**

- ❖ Balanced Diet, Malnutrition and Deficiency Diseases
- ❖ First Aid and Principles of First Aid
- ❖ First Aid measures for the following –  
Bleeding through Nose, Snake Bite, Dog Bite , Electric Shock, Burns and Drowning
- ❖ Common injuries and their management  
Wounds, Cuts, Sprain, Fractures and Dislocation
- ❖ Posture and its importance
- ❖ Common Postural Deformities, Causes and their Remedial Measures. (Kyphosis, Lordosis, Scoliosis, Knock-knee, Bow legs and Flatfoot.)

#### **Module: 5. Yoga and Stress Management**

- ❖ Meaning and benefits of yoga
- ❖ Eight limbs of Yoga (Ashtanga Yoga)
- ❖ (Yama, Niyama, Asana, Pranayama, Pratyahara, Dhyana, Dharana, and Samadhi)
- ❖ Asanas and its importance (Padmasana, Vajrasana, Paadahasthasana, Vrikshasana, Halasana, Pavanamukthasana, Bhujangasana, Poornasalabhasana, Ardhamatsyendrasana, and Shavasana)
- ❖ Management of Stress.

#### **Suggested Readings:**

1. Bucher.C A.(1979) **Foundation of Physical Education** (5<sup>th</sup> ed.) Missouri:C.V.Mosby co.
2. Barrow,H.M.(1983). **Man and Movement: Principles of Physical education**. Phi:Lea and Febiger
3. Corbin, Charles .B.et.al. C .A (2004). **Concepts of Fitness and Wellness**. Boston,McGraw Hill.
4. Ramachandran, Anil (2011). **Handbook of Health , Fitness and Wellness**. Akademia Publications, Calicut, Kerala.

5. Sekhar, K.C.(2004), **Principles and History of Physical Education.**, Delhi, Khel Sahitya Kendra.
6. Young, D.C., (2004) **A Brief History of Olympic Games.** U.K., Blackwell Publishing.
7. Puri & Chandra S S.(2005) **Health and Physical Education**, Surjeet Publications, New delhi.
8. William J E. (1964) **Principles of Physical Education**, W.B.Sounders, Philadelphia.
9. Kamalesh M .L.(1998), **Physical Education: Facts and Foundations.** P.B. Publicationc.
10. Ajmeer Singh, et. Al,(2001) **Modern Text book of Physical Education, Health & Sports.** Kalyani Publishers, New Delhi.
11. James, Rob, Thompson and James, (2007). **Complete A-Z Physical education Handbook.** Hodder and Stoughten, London.
12. Manoj K. P & Suresh Kutty.,K.(2011), **Physical Activity, health and Wellness**, University of Calicut.
13. Shaida, B .D & Shaida A K. (2000). **Health and Physical Education.** Arya book depot.
14. Jenson,Dr.Bernard,(2000). **Nutrition Handbook**, Viva Books Pvt.Ltd., New Delhi.
15. Reddy .R.S., **Teaching Health and Nutrition**, Commonwealth Publishers, N .Delhi.
16. Watson, A WS. (1995), **Physical Fitness and Athletic Perfromance.** Longman Publishing Company, NewYork.
17. Thomas, David Q and Kotecki, Jerome, Jones and Barlett: Masachussettes,(2007). **Physical activity and Health-an interactive approach.**
18. Singh , Ajay (2007). **First Aid and Emergency Care.** N .R. Brothers, Indore
19. St. John's & St. Andrew's Ambulance Association and British Red Cross.(2002). **First Aid Manual.** DK, London.
20. George Agustine,(2019) Health and Fitness Education, Prathibha Publications, Changansseery