

# KAKCHING KHUNOU COLLEGE

Kakching Khunou, Umathel  
Kakching District – Manipur-795103

Department of :- Physical, Health Education programme offered B.Sc. and Sport : Physical, Health Education and Sports.

## Programme outcomes (P.O.)

At the graduation in Science faculty in “Physical, Health Education & Sports.

Students should have:

- Acquired the knowledge with facts and figure related to physical, Health Education and Sports.
- Understand the basic concepts fundamental principal and scientific theories related to various scientific phenomena and their relevance in the day to day life.
- Understand application physical, Health Education & Sports fields.
- Analyses given data draw the conclusion.
- Been able to think creatively to propose novel ideas in explaining facts and figures providing new solution to the problems.
- Been able to pursue higher studies in Physical, Health Education & Sports.
- Been able to work in different scientific Institution.

## COURSE OUTCOME (CO)

Each course, in all the programmes has been designed and fulfilled the requirements of the academic and industrial needs, By apting these courses students may be able to qualify the various esteemed competitive examinations. These programmes offered by Physical, Health Education & Sports are highly employable and enable the students to take positions in various Institutes/Universities/Industries for research and development and serve the society.

*L. Boyai Simo*

### **LEARNING (COURSE) OBJECTIVE:**

**Physical, Health Education & Sports.**

**(Theory + Practical)**

1. To Study, class room and Field (practically) to do.
2. To Study, class room to do instruction and Explanation.
3. To understand the convergence of series; General principle of convergence test of skill & Technique.
4. To learn about sub-groups to teach Skill & Technique.
5. To learn the, how to taking the Speed, endurance and Stamina.
6. To study, the practically process to do Step by Step.

### **PHYSICAL, HEALTH EDUCATION SPORTS (202)**

**(Theory + Practical)**

- I. To know the concept of random variable and its types probability density function mass function etc.
- II. To learn Mathematical expectations and characteristic functions and characteristic Functions.
- III. To understand correction, Karl Pearson's correction coefficient, Rank correction, coefficient etc.
- IV. Get the concept of curve fitting and regression analysis.
- V. To learn various limit theories like skill and technique of the game (events).
- VI. Understand the concept of limit differences and numerical extrapolation, numerical integration etc.

### **PHYSICAL, HEALTH EDUCATION & SPORTS (303)**

**(Theory + Practical)**

- I. To understand discrete probability distribution, Binomial trial, binomial & poisson distribution
- II. To learn continuous probability distribution, normal distribution, etc.
- III. Understand the theory of estimation and methods of estimation.

*L. Bhai Singh*

- IV. To develop the concepts of simple survey and various sampling techniques
- V. To know about the attributes, classification and properties.
- VI. To familiarize with concept concept of demography, mortality rate fertility rate etc.

### **PHYSICAL, HEALTH EDUCATION & SOPRTS (404)**

**(Theory + Practical)**

- I. Understand the concept of sampling distribution.
- II. To learn the Testing of hypothesis, ruth and alternative hypothesis type I, II error etc.
- III. Applying C-distribution F-distribution  $X^2$  Test to different kinds of problems.
- IV. To know the important of time series analysis
- V. To be able to design experiments with ANOVA
- VI. To learn about the concept of index number.

### **PHYSICAL, HEALTH EDUCATION & SPORTS 505**

**(Theory + Practical)**

- I. To learn about the concept of set theory and measure
- II. To familiarize with basic mathematics; sequence and series; various tests convergence etc.
- III. To learn about determinants and matrices and their applications.
- IV. Introduction to computer programming and Functionalities of its different software like MEXCL etc.
- V. To Familiarize with the use of FORTRAN in solving many statistical problem.

*L. Boyal Singh*

### **PHYSICAL, HEALTH EDUCATION & SPORTS (506)**

#### **(Theory + Practical)**

- I. To know about the normal and bivariate Probability distributions.
- II. To Further understand about the theory of estimation, various type of estimators, confidence interval etc.
- III. Use of LSD in Statics analysis and design of experiments
- IV. Further extend the knowledge in correction and curve Fitting
- V. To understand about the various type of sampling distribution. Shape of its curves and properties.

### **PHYSICAL, HEALTH EDUCATION & SPORTS (608)**

#### **(Theory + Practical)**

- I. Understand the concept Test and Measurements, Fundamental Skill etc.
- II. To get to know about Statistical qualities control and various tools.
- III. To extend in knowledge about lime series concept, cyclic movements residual approach etc.
- IV. To learn about various type of sampling non-sampling errors etc.
- V. Concept of national income, demand and supply analysis.

### **PHYSICAL, HEALTHD EDUCATION & SPORTS (609)**

#### **(Theory + Practical)**

- I. To understand inverse interpolation formula: Weddie's rule; Sterling beveriate interpolation.
- II. To learn Laplace Everent Formula, Newton Cots Formula, Starlings Formula etc.
- III. To develop the concept of OR and its various models
- IV. To learn about psychological and educational system.
- V. To Familiarize with Indian official Physical, Health and Sports.

*L. Bajaj Singh*