

PHED 47C: HIGH-INTENSITY INTERVAL TRAINING (HIIT)

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2023
Units:	1
Hours:	3 laboratory per week (36 total per quarter)
Advisory:	This course is included in the Cross Training family of activity courses.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Area VII: Lifelong Learning
Transferable:	CSU/UC
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Student Learning Outcomes

- Demonstrate cardiovascular fitness improvements in a personal strength program
- Demonstrate safe and appropriate use of strength apparatus and tools.
- Demonstrate knowledge of High Intensity Interval Training and how it benefits the muscular and cardiovascular systems of the human body.

Description

An intense total body workout to improve endurance and strengthen and define every muscle using high intensity intervals. This type of training is an effective way to train taking fitness to the next level. Students must provide their own fitness mat.

Course Objectives

The student will be able to:

- Define and explain components of health related fitness and design an aerobic training program for improvement of cardiovascular health
- Identify, measure, and evaluate personal fitness level and progress toward optimal fitness
- Demonstrate correct biomechanics related to each strength and flexibility exercise
- Recognize basic physiological and psychological benefits of a regular aerobic training program
- Explain the basic purpose of progression in exercise program and every exercise session
- Describe the benefits of an aerobic dance program as a life long activity
- Understand the principles of core training and the overall benefits of core control

Course Content

- Fitness components
 - Muscular strength, endurance, flexibility; cardiovascular endurance; body composition
 - Cardiovascular principles: activity, frequency, intensity, duration
- Pre- and post-test
 - 1-mile run and perceived exertion
 - Sit-ups and push-up test
 - Flexibility: reclined hamstring stretch, dog and hand-lock, and cobra
- Explanation and demonstration of basic dance moves
 - Repetition of dance moves without music and with music before increasing speed of movement or complexity of moves (choreography)
 - Instructor-provided modifications and variations as needed for safety and challenge
- Benefits of aerobic exercise combined with strength
 - Physiological development: heart health and promote muscle growth
 - Psychological: self knowledge, self awareness, improved confidence

Lab Content

Lab content may contain, but is not limited to:

- Heart rate and how it relates to different levels of fitness
- Basic anatomy: demonstrating knowledge of muscles trained during specific exercise
- Identifying current fitness levels and constructing goals

Special Facilities and/or Equipment

- Fitness mat and comfortable clothing.
- When taught as an online distance learning or hybrid section, students and faculty need ongoing and continuous internet and email access.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Written and/or oral evaluation will be made by instructor regarding student's knowledge related to:

- Benefits or aerobic training
- Types of aerobic activity
- Safety and injury prevention techniques (warm-up/cool-down)
- Fitness components and prescription of aerobic exercise program

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

The student will perform and participate in high intensity circuits using different equipment to elevate their heart rate and increase their muscular strength and endurance

Representative Text(s) and Other Materials

Laursen, Paul, and Martin Buchheit. Science and Application of High Intensity Interval Training. 2019.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- a. Optional reading and writing assignments as recommended by instructor

Discipline(s)

Physical Education