Effective Semester / Session: Fall 2005

Type of Action:
- New
- Modification [X]
- Cancellation

Course Alpha and Number: PE 146

Course Title: Beginning Weight Training

Reason for initiating, revising, or canceling:
This course guide is being modified/revised to reflect the change in the departmental name as well as to fulfill the required 3 year update/review.

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Proposer: ___________________________ Date: 8/10/05

Department Chair: __________________ Date: 8/10/05

English and Format Reviewer: __________________ Date: 8/19/05

Academic Council Chair: __________________ Date: 8/19/05

Dean of Academic Programs and Services: __________________ Date: 8/19/05
Course: PE 146 Beginning Weight Training

1. Department
   Human Performance and Athletics

2. Purpose
   PE 146 provides a class for students to learn the proper mechanics of weight training. Emphasis will be placed on exercises for all muscle groups, specifically the seven major muscle groups.

3. Description
   A. Required/Recommended Textbook(s) and Related Materials
      None
   B. Contact Hours
      1. Lecture:
      2. Lab:
      3. Other: 2 hours/week; 30 hours/semester
   C. Credits
      1. Number: 1
      2. Type: Regular Degree Credit
   D. Catalogue Course Description
      Course content is designed to emphasize physical fitness with special emphasis on muscular strength and endurance. Students are introduced to the basic principles of beginning weight training. Evaluation of individual needs and fitness programming is included.
      (English Placement Level: EN 073/074)
   E. Degree or Certificate Requirements Met by Course
      A passing grade in this class will fulfill the Physical Education requirement under the general education requirements for a Liberal Arts degree.
F. Course Activities and Design
Activities will include instruction and videotapes on weight training skills, fundamentals, and strategies and health related subjects, such as cardiovascular fitness, nutrition, stretching, proper warm-up and cool-down exercises. Practical instruction activities include the teaching of various weight training skills and student practice of each exercise at each class meeting. Emphasis will be placed on proper lifting mechanics.

4. Course Prerequisite(s); Concurrent Course Enrollment;
   Required English/Mathematics Placement Level(s)
   Prerequisites: NONE
   Concurrent Course Enrollment: NONE
   English Placement Level: EN 073/074

5. Estimated Cost of Course; Instructional Resources Needed
   Cost to the Student: Tuition for a 1 credit course and the Consolidated Course Fee

   Cost to the College: Instructor’s salary

   Instructional resources needed for this course include: weight training equipment, white board and white board markers, TV/VCR and videotaped programs.

6. Method of Evaluation
   Students’ grades will be based on the regular letter grade system as described below:

   A: Excellent – grade points: 4.0;
   B: Above average – grade points: 3.0;
   C: Average – grade points: 2.0;
   D: Below average – grade points: 1.0;
   F: Failure – grade points: 0.0.

   NMC's grading and attendance policies will be followed.
7. **Course Outline**

This is a topical outline and does not necessarily indicate the sequence in which the material will be presented.

1.0 **Basic Weight Training**
   1.1 Benefits of weight training
   1.2 Improved sports performance
   1.3 Enhanced self-image
   1.4 Competitive outlet

2.0 **Weight Training and Your Body**
   2.1 Your body’s responses to weight training
   2.2 Muscle structure and strength
   2.3 Weight training and your health

3.0 **Basic Principles of Weight Training**
   3.1 Weight training as part of the total fitness program
   3.2 Weight training as part of a general conditioning and wellness program

4.0 **How Weight Training Improves Your Body**
   4.1 Stress adaptation
   4.2 Types of weight training exercises
      4.2.1 Isometric exercise
      4.2.2 Isotonic exercise

5.0 **Getting Started: The Basics of Weight Training**
   5.1 Medical check-up
   5.2 What to wear
   5.3 Weights and other resistive exercise equipment
   5.4 Structure of the weight-training program
      5.4.1 Number of training sessions per week
      5.4.2 Warm-up
      5.4.3 Cool-down
      5.4.4 Choosing the correct weight
5.4.5 Order of exercises and development of antagonistic muscle groups
5.4.6 Sets and repetitions
5.5 Proper mechanics of exercise

6.0 Developing the Chest and Shoulders
6.1 Exercises to build the chest
6.2 Exercises to develop the shoulders

7.0 Developing the Arms
7.1 Exercises for the front of the arm
7.2 Exercises for the back of the arm
7.3 Exercises for the forearm

8.0 Developing the Neck and Back
8.1 Exercises for the neck
8.2 Exercises for the upper back: The traps
8.3 Exercises for the upper back: The latissimus dorsi
8.4 Exercises for the lower back

9.0 Developing the Abdominal Muscles
9.1 Abdominal and hip-flexor exercises
9.2 Exercises for the oblique

10.0 Developing the Lower Body
10.1 Multi-joint lower-body exercises
10.2 Auxiliary exercises for the lower body
10.3 Advanced lifts

11.0 Exercises to Develop Speed and Power
11.1 How to improve power for sports
11.2 Plyometrics and speed exercises
11.3 Basic speed and power exercises

12.0 Nutrition for Weight Training
12.1 Planning a healthy diet
12.2 The role of exercise and nutrition
12.3 Diet and performance
12.4 Anabolic steroids
8. **Instructional Goals**

This course will introduce students to:

1.0 An increased level of cardiovascular fitness and muscular strength;

2.0 Safe and effective flexibility exercises;

3.0 The methods used in weight training and components of physical fitness;

4.0 Proper mechanics of various weight-lifting exercises;

5.0 Safety precautions to be used with weight machines and free weights;

6.0 Positive self-image through participation; and

7.0 The process, techniques, and ingredients for safely developing muscular strength and cardiovascular endurance.

9. **Student Learning Outcomes**

Upon successful completion of this course, students will be able to:

1.0 Demonstrate an increased level of cardiovascular fitness and muscular strength;

2.0 Demonstrate safe and effective flexibility exercises;

3.0 Identify the methods used in weight training and components of physical fitness;

4.0 Demonstrate proper mechanics of various weight-lifting exercises;

5.0 Explain safety precautions to be used with weight machines and free weights;

6.0 Demonstrate a positive self-image through participation; and
7.0 Identify the process and describe the techniques and ingredients of safely developing muscular strength and cardiovascular endurance.
10. **Assessment Measures**

   Assessment of student learning may include the following:

   1.0 Quizzes and Exams;
   
   2.0 Skills tests (i.e. lifting techniques);
   
   3.0 Participation; and
   
   4.0 Attendance