

College of San Mateo
Official Course Outline

1. **COURSE ID:** AQUA 135.2 **TITLE:** Aqua Exercise II
Units: 0.5 -1.0 units **Hours/Semester:** 24.0-54.0 Lab hours
Method of Grading: Grade Option (Letter Grade or P/NP)

2. **COURSE DESIGNATION:**

Degree Credit

Transfer credit: CSU; UC

AA/AS Degree Requirements:

CSM - GENERAL EDUCATION REQUIREMENTS: E4: Physical Education

CSU GE:

CSU GE Area E: LIFELONG LEARNING AND SELF-DEVELOPMENT: E2

3. **COURSE DESCRIPTIONS:**

Catalog Description:

An intermediate level cardiovascular and resistance training class conducted in a low-impact aquatic environment. Instruction includes exercises designed to improve cardiovascular endurance, muscular strength, and flexibility. Students need not be competent swimmers to participate in class.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**

Upon successful completion of this course, a student will meet the following outcomes:

1. Improve in one or more: body composition, range of motion, overall body weight, resting heart rate, strength and endurance, and aerobic capacity at an intermediate level.
2. Demonstrate knowledge of various exercises used in Aqua Exercise at an intermediate level.

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**

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

At an intermediate level:

1. Perform dynamic resistance training exercises in an aquatics environment.
2. Perform cardiovascular activities in an aquatics environment.
3. Understand how to effectively train in an aquatics environment.
4. Understand target heart rate and how to achieve it training in a hydro-therapy environment.
5. Understand cross-training benefits in an aquatics environment.
6. Demonstrate safe and appropriate use of all aqua exercise equipment.

6. **COURSE CONTENT:**

Lab Content:

At an intermediate level:

1. Introduction
 - A. Review of pool safety and appropriate use of all equipment and exercises.
 - B. Review and demonstration of techniques of all aspects of aquatic exercises.
 - C. Review of Aqua "Ex" terminology
2. Aerobic Exercises
 - A. Interval training
 - B. Target Heart rate workouts
 - C. Aerobic/anaerobic combinations
 - D. Aqua Jogging
 - E. Jog, run, walk, skip, hop
3. Anaerobic Exercises
 - A. High resistance with use of various apparatus
 - B. Target Heart rate
 - C. Aqua sprints
 - D. Upper body exercises
 - E. Lower body exercises
 - F. Core body exercises
4. Flexibility and Agility Exercises
 - A. Multi-joint stretches

- B. Single joint stretches
- C. Progressive stretching
- 5. Concepts of Aqua Exercise
 - A. Aerobic vs. Anaerobic
 - B. Muscular strength vs. muscular endurance
 - C. Flexibility and agility
 - D. Water safety
 - E. Progressive overload
- 6. Fitness Concepts
 - A. Workout formula
 - a. Warm-up
 - b. Work Load
 - c. Cool down
 - B. FIT Principle
 - a. Frequency, Intensity, Time

7. REPRESENTATIVE METHODS OF INSTRUCTION:

Typical methods of instruction may include:

- A. Lecture
- B. Lab
- C. Activity
- D. Critique
- E. Discussion
- F. Individualized Instruction
- G. Observation and Demonstration

8. REPRESENTATIVE ASSIGNMENTS

Representative assignments in this course may include, but are not limited to the following:

Writing Assignments:

Final written exam on the physiological benefits of exercise.

Reading Assignments:

Instructor generated hand-outs to supplement instruction

Other Outside Assignments:

Students are encouraged to engage in at least one additional session of physical activity outside of class each week.

9. REPRESENTATIVE METHODS OF EVALUATION

Representative methods of evaluation may include:

- A. Class Participation
- B. Class Performance
- C. Exams/Tests
- D. Lab Activities
- E. Pre and post physiological assessment, take-home assignments or exams

10. REPRESENTATIVE TEXT(S):

Possible textbooks include:

- A. Spitzer Gibson, Terry-Ann. *Water Aerobics for Fitness and Wellness*, 4th ed. Belmont: Wadsworth Cengage Publishing, 2012

Origination Date: February 2017
Curriculum Committee Approval Date: April 2017
Effective Term: Fall 2017
Course Originator: Andreas Wolf