

# Course Syllabus

**Department:** Science & Technology

**Date:** October 3, 2012

**I. Course Prefix and Number:** BIO 165

**Course Name:** Kinesiology & Myology I

**Credit Hours and Contact Hours:** 4 credit hours and 6 contact hours

**Catalog Description including pre- and co-requisites:**

Lecture and laboratory course designed to acquaint students with the detailed study of the major muscles of the torso and pelvis and their function. Focus will be placed on the origin, insertion, action, innervations, and range of motion of specific muscles. This course includes the study of name, shape, and location of bones and tendons as well as their related joints. Prerequisite: BIO 171 and Co-requisite: BIO 172.

**Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:** This course is part of the A.A.S. Therapeutic Massage /Integrated Health Care program. Its content is required to meet a portion of the theory and practicum regulations as set forth by the State Education Department in order to be eligible for admittance to the license examination.

**II. Course Student Learning Outcomes:**

- A. The students will demonstrate the ability to locate and name the major muscles and bones specified in the course outline.
  
- B. The students will recognize and define movement (action) for all the major muscles specified in the course outline.
  
- C. The students will recognize what bones and joints are associated with movement of a certain muscle.
  
- D. The students will name the anatomical attachments of the major muscle groups.

**College Learning Outcomes Addressed by the Course:** *(check each College Learning Outcome addressed by the Student Learning Outcomes)*

- |   |   |
|---|---|
| <input type="checkbox"/> writing                        | <input checked="" type="checkbox"/> computer literacy |
| <input checked="" type="checkbox"/> oral communications | <input type="checkbox"/> ethics/values                |
| <input checked="" type="checkbox"/> reading             | <input type="checkbox"/> citizenship                  |
| <input type="checkbox"/> mathematics                    | <input type="checkbox"/> global concerns              |

critical thinking

information resources

**III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed):** *For each identified outcome checked, please provide the specific assessment measure.*

List identified College Learning Outcomes(s)	Specific assessment measure(s)
Oral Communication	Students will successfully complete 3 oral practical exams.
Reading	Student will demonstrate reading skills through successfully completing written exams and through completion of exercises in the lab manual.
Computer Literacy	Students will demonstrate computer literacy by utilizing required learning tools such as podcasts, muscle apps. and internet sites.

**IV. Instructional Materials and Methods**

**Types of Course Materials:**

Current Textbooks, Lab Manual, Manikin Clay Models, Internet

**Methods of Instruction (e.g. Lecture, Lab, Seminar ...):**

Lecture, Lab, and Hands-on Palpation

**V. General Outline of Topics Covered:**

Muscle Function, Terminology, Lever Systems, Gross Anatomy of Skeleton , Microscopic and Gross Anatomy of Skeletal Muscles & Arthrology.

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