

# I. CATALOG INFORMATION

A. Discipline: PHYSIOLOGY

B. Subject Code and Number: PHSO M122

C. Course Title: Independent Study-Physiology

D. Credit Course units:

Units: 0.5 – 3

Lecture Hours per week: 0

Lab Hours per week : 1.5 – 9

Variable Units : No

E. Student Learning Hours:

Lecture Hours:

Classroom hours: \_\_\_\_\_

Laboratory/Activity Hours:

Laboratory/Activity Hours 26.25 - 157.5

**Total Combined Hours** in a 17.5 week term: 26.25 - 157.5

F. Non-Credit Course hours per week \_\_\_\_\_

G. May be taken a total of: ☒ 1 ☐ 2 ☐ 3 ☐ 4 time(s) for credit

H. Is the course co-designated (same as) another course: No ☒ Yes ☐

If YES, designate course Subject Code & Number: \_\_\_\_\_

I. Course Description:

Allows independent study for students who wish to extend their knowledge of a particular area of Physiology through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor.

J. Entrance Skills

\*Prerequisite: No ☐ Yes ☒ Course(s)

Completion of one course in Physiology and instructor approval.

\*Corequisite: No ☒ Yes ☐ Course(s)

\_\_\_\_\_

Limitation on Enrollment: No ☒ Yes ☐

\_\_\_\_\_

Recommended Preparation: No ☒ Yes ☐ Course(s)

\_\_\_\_\_

Other: No ☒ Yes ☐

\_\_\_\_\_

K. Other Catalog Information:

Interested students should contact an Physiology instructor for assistance in developing a contract for learning about a specific topic. May be taken for a maximum of 6 units. Formerly PHSO M22A/B. Transfer credit: CSU; UC (determined after admission).

II. COURSE OBJECTIVES

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

		<b>Methods of evaluation will be consistent with, but not limited by, the following types or examples.</b>
1	apply the knowledge acquired to other aspects of Physiology.	Successful completion of a course project, i.e., portfolio, paper, performance, presentation, or research. Evaluation methods will be determined by the instructor in consultation with the student.
2	formulate statements designed to assess the applicability of their knowledge to other related topics.	Successful completion of a course project, i.e., portfolio, paper, performance, presentation, or research. Evaluation methods will be determined by the instructor in consultation with the student.
3	analyze new information, practices, or research in the Physiology discipline and utilize those findings in further research or creative projects.	Successful completion of a course project, i.e., portfolio, paper, performance, presentation, or research. Evaluation methods will be determined by the instructor in consultation with the student.

III. COURSE CONTENT

Estimated %	Topic	Learning Outcomes
<b>Lecture</b> (must total 100%)		
<b>Lab</b> (must total 100%)		
100.00%	Project content and specific topics will be determined by the student in consultation with the supervising faculty member.	

#### IV. TYPICAL ASSIGNMENTS

##### A. Writing assignments

Writing assignments are required. Possible assignments may include, but are not limited to:	
1	projects to be determined in conversations between the instructor and the student.
2	development of project-related documents: essays, term projects, library research, and literature reviews.

##### B. Appropriate outside assignments

Appropriate outside assignments are required. Possible assignments may include, but are not limited to:	
1	projects to be determined in conversations between the instructor and the student.

##### C. Critical thinking assignments

Critical thinking assignments are required. Possible assignments may include, but are not limited to:	
1	projects to be determined in conversations between the instructor and the student.

#### V. METHODS OF INSTRUCTION

Methods of instruction may include, but are not limited to:

☐ Distance Education – When any portion of class contact hours is replaced by distance education delivery mode (Complete DE Addendum, Section XV)

☐ Lecture/Discussion

☒ Laboratory/Activity

☒ Other (Specify)

The specific methods to be used will be determined by the supervising faculty member in consultation with the student.

☒ Optional Field Trips

☐ Required Field Trips

#### VI. METHODS OF EVALUATION

Methods of evaluation may include, but are not limited to:

☒ Essay Exam

☐ Classroom Discussion

☒ Skill Demonstration

☐ Problem Solving Exam

☒ Reports/Papers/Journals

☒ Participation

☒ Objective Exams

☒ Projects

☒ Other (specify)

Specific evaluation methods will be determined by the instructor in consultation with the student.

#### VII. REPRESENTATIVE TEXTS AND OTHER COURSE MATERIALS

Specific books, articles, films, etc. used will be determined by the supervising faculty member in consultation with the student.

VIII. STUDENT MATERIALS FEES

☒ No    ☐ Yes

IX. PARALLEL COURSES

College	Course Number	Course Title	Units
No comparable courses found			

X. MINIMUM QUALIFICATIONS

**Courses Requiring a Masters Degree:**  
Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science OR the equivalent.

XI. ARTICULATION INFORMATION

- A. Title V Course Classification:

1. This course is designed to be taken either:

☐ Pass/No Pass only (no letter grade possible); or  
☒ Letter grade (P/NP possible at student option)

2. Degree status:

Either ☒ Associate Degree Applicable; or ☐ Non-associate Degree Applicable
- B. Moorpark College General Education:

1. Do you recommend this course for inclusion on the Associate Degree General Education list?

Yes: ☐ No: ☒ If YES, what section(s)?

☐ A1 - Natural Sciences - Biological Science  
☐ A2 - Natural Sciences - Physical Science  
☐ B1 - Social and Behavioral Sciences - American History/Institutions  
☐ B2 - Social and Behavioral Sciences - Other Social Behavioral Science  
☐ C1 - Humanities - Fine or Performing Arts  
☐ C2 - Humanities - Other Humanities  
☐ D1 - Language and Rationality - English Composition  
☐ D2 - Language and Rationality - Communication and Analytical Thinking  
☐ E1 - Health/Physical Education  
☐ E2 - PE or Dance  
☐ F - Ethnic/Gender Studies
- C. California State University(CSU) Articulation:

1. Do you recommend this course for transfer credit to CSU?    Yes: ☒ No: ☐

2. If YES do you recommend this course for inclusion on the CSU General Education list?

Yes: ☐ No: ☒ If YES, which area(s)?

A1 ☐    A2 ☐    A3 ☐    B1 ☐    B2 ☐    B3 ☐    B4 ☐

C1 ☐    C2 ☐    D1 ☐    D2 ☐    D3 ☐    D4 ☐    D5 ☐

D6 ☐    D7 ☐    D8 ☐    D9 ☐    D10 ☐    E ☐

D. University of California (UC) Articulation:

1. Do you recommend this course for transfer to the UC?    Yes: ☐ No: ☒
2. If YES do you recommend this course for the Intersegmental General Education Transfer Curriculum (IGETC)?    Yes: ☐ No: ☒

IGETC Area 1: English Communication

- ☐ English Composition
- ☐ Critical Thinking-English Composition
- ☐ Oral Communication

IGETC Area 2: Mathematical Concepts and Quantitative Reasoning

- ☐ Mathematical Concepts

IGETC Area 3: Arts and Humanities

- ☐ Arts
- ☐ Humanities

IGETC Area 4: Social and Behavioral Sciences

- ☐ Anthropology and Archaeology
- ☐ Economics
- ☐ Ethnic Studies
- ☐ Gender Studies
- ☐ Geography
- ☐ History
- ☐ Interdisciplinary, Social & Behavioral Sciences
- ☐ Political Science, Government & Legal Institutions
- ☐ Psychology
- ☐ Sociology & Criminology

IGETC Area 5: Physical and Biological Sciences (mark all that apply)

- ☐ Physical Science Lab or Physical Science Lab only (non-sequence)
- ☐ Physical Science Lecture only (non-sequence)
- ☐ Biological Science
- ☐

- ☐ Physical Science Courses
- ☐ Physical Science Lab or Biological Science Lab Only (non-sequence)
- ☐ Biological Science Courses
- ☐ Biological Science Lab course
- ☐ First Science course in a Special sequence
- ☐ Second Science course in a Special Sequence
- ☐ Laboratory Activity
- ☐ Physical Sciences

IGETC Area 6: Language other than English

- ☐ Languages other than English (UC Requirement Only)
- ☐ U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)
- ☐ U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)

**XII. REVIEW OF LIBRARY RESOURCES**

A. What planned assignment(s) will require library resources and use?

The following assignments require library resources:  
Research projects using the Library's print and online resources.

B. Are the currently held library resources sufficient to support the course assignment?

YES: ☒ NO: ☐

If NO, please list additional library resources needed to support this course.

**XIII. PREREQUISITE AND/OR COREQUISITE JUSTIFICATION**

Requisite Justification for Completion of one course in Physiology and instructor approval.

- ☒ A. Sequential course within a discipline.
- ☐ B. Standard Prerequisite or Corequisite required by universities.
- ☐ C. Corequisite is linked to companion lecture course.
- ☐ D. Prerequisite or Corequisite is authorized by legal statute or regulation.  
Code Section: \_\_\_\_\_
- ☐ E. Prerequisite or Corequisite is necessary to protect the students' health and safety.
- ☐ F. Computation or communication skill is needed.

☐ G. Performance courses: Audition, portfolio, tryouts, etc. needed.

**XIV. WORKPLACE PREPARATION**

PHSO M122: Not Applicable

**XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM**

PHSO M122: Not Applicable

**XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM**

PHSO M122: Not Applicable

**XVII. STUDENT MATERIALS FEE ADDENDUM**

PHSO M122: Not Applicable

**XVIII. REPEATABILITY JUSTIFICATION TITLE 5, SECTION 55041**

PHSO M122: Not Applicable

**XIX. CURRICULUM APPROVAL**

Course Information:

Discipline: PHYSIOLOGY

Discipline Code and Number: PHSO M122

Course Revision Category: Outline Update

Course Proposed By:

Originating Faculty Michael Trainor 12/18/2015

Faculty Peer: \_\_\_\_\_

Curriculum Rep: \_\_\_\_\_

Department Chair: Jazmir Hernandez 12/21/2015

Division Dean: \_\_\_\_\_

Approved By:

Curriculum Chair: Jerry Mansfield 02/06/2016

Executive Vice President: Lori Bennett 02/01/2016

Articulation Officer: \_\_\_\_\_

Librarian: \_\_\_\_\_

Implementation Term and Year: Spring 2016

Approval Dates:

Approved by Moorpark College Curriculum Committee: 02/02/2016

Approved by Board of Trustees (if applicable): \_\_\_\_\_

Approved by State (if applicable): 02/26/2016

