

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Introduction to Anatomy and Physiology

Submitted By: C & K
Giermann

Semester Course Prefix and Number: BIOL 1415

Approval Date: April 2009

Old Quarter Course Prefix and Number:

Revision Date: January 2013

Number of Credits: 4

Number of Lecture Credits: 3

Semester(s) Offered:

Number of Lab Credits: 1 **Number of Lab Hours:** 2

Class Size: 48

Number of Studio/Demonstration/Internship Credits:

Negotiated by AASC on: Lec
(date) 24

Lab

Course Purpose Code:

_____ 0 – Developmental Courses

_____ 1 – Non-transferable

_____ 2 – Technical course related to career programs

_____ 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)

_____ 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)

 x 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.

_____ 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This one semester course is designed as an introduction to human anatomy and physiology for students who have minimal background in biological science. The focus includes principles of cells, metabolism and the chemical basis of life; as well as organ systems of support and movement, integration and coordination, transport, absorption and excretion, and the human life cycle. Emphasis is on the interrelatedness and interdependency of organ systems.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): None

Reading Prerequisite: College level

Composition Prerequisite: None

Mathematics Prerequisite: None

Career Programs and Transfer Majors Accessing this Course:

Practical Nursing and those students working on improving their background knowledge prior to taking Anatomy & Physiology (Biol 2551).

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer's approval are required.)

0. _____ None

1. _____ Communications

2. _____ Critical Thinking

3. x Natural Sciences

4. _____ Mathematical/Logical Reasoning

5. _____ History and the Social and Behavioral Sciences

6. _____ The Humanities and Fine Arts

7. _____ Human Diversity

8. _____ Global Perspectives

9. _____ Ethical and Civic Responsibility

10. _____ People and the Environment

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

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

- Demonstrate understanding of scientific theories
- Formulate and test hypotheses
- Communicate experimental findings
- Make informed judgments about science - related topics and policies

Student Assessment Methods:

Lecture Test (Multiple Choice, Short Answer, Essay)

Practical Lab Testing

Frequent use of Classroom Assessment Techniques (eg. Minute Papers, Muddiest Point)

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

PowerPoint Presentation Software

Interactive Physiology Software

Ph.I.L.S. (Physiology Lab Simulation Software)

On-Line Student Study Sites (Textbook Provided)

Anatomy Revealed (Dissection Software)

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Lab activities may include preserved organ dissection. **Students with formalin sensitivities or who are pregnant should inform their instructor.**

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Non- major's Biology Elective.

Affiliated Mesabi Range College Courses and Programs:

Approvals:

Body	Representative Signatures	Date
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Instructional Services

Copies: Transfer Specialist, Originating Faculty Member, Records

Revised: December 2012