COURSE PREREQUISITES

MBB 221 or 231 and PHYS 102. ¹

COURSE DESCRIPTION

Physiology is about the “nuts and bolts” of how organisms work, from molecules through cells, tissues, organs, up to the level of the whole organism.

OUTLINE OF TOPICS

1. General principals of physiology
2. Nerves, sensory systems & nervous system
3. Muscles
4. Circulatory & respiratory systems
5. Osmoregulation & nitrogen excretion
6. Digestion
7. Basic biochemistry & cell physiology (which we will hopefully review).

REQUIRED & RECOMMENDED TEXTBOOK (S):

There is a second edition of this text – it doesn’t matter whether you get the first or the second edition.

MARK DISTRIBUTION

Midterm Exams: 2 X 25% = 50%
Tutorial Assignments: 10%
Final Exam: 40%

The exams will be based entirely on material presented in lectures. However, the lectures will follow the textbook closely and therefore reading the text will probably help to understand the lecture material (there will be at least one copy of the text on reserve in the library). The slides used in lecture will be made available on the course website (prior to the relevant lecture, where possible), although the lecture slides and textbook should not be considered substitutes for attending lectures.

Tutorial assignments may involve the use of the turnitin.com website. Although I use this website primarily for its peer review function, this website also detects plagiarism.

¹Prerequisite Minimum Grade Requirement: Unless stated, a grade of C- or better is required on all Prerequisite BISC & MBB courses.