BIOL 4433 – Parasitology
Department of Life Sciences
Spring 2016

A. COURSE INFORMATION

Course number/section: BIOl 4433.001
Class meeting time: MWF 8:00-8:50 am
Class location: EN 107
Lab: M 1:00-4:00 pm
       W 1:00-4:00 pm
Lab Location: CS-235
Course Website: https://bb9.tamucc.edu/

A. INSTRUCTOR INFORMATION

Instructor: Bart Cook III, Ph.D.
Office location: EN 309
Phone: 361-825-2683
Office hours: 7:00-8:00am MWF
             12:00-1:00pm MW
             10:00-11:00am F

e-mail: bart.cook@tamucc.edu
Appointments: by appointment-please see sign up posted on my office door.

B. COURSE DESCRIPTION:

BIOL 4433 Parasitology is a course that focuses animal parasites including protozoa and metazoan forms. While emphasis will be placed on parasites of medical importance, those affecting domestic and wildlife species will be discussed when relevant.

An overview of the ecological role that animal parasites play will be presented as well as discussion of general principals of non-microbial parasitism.

The laboratory will consist of identification of various development stages of selected animal/human parasites using prepared slides.

C. PREREQUISITES AND COREQUISITES

Prerequisite course required-BIOL2421
Prerequisite/Co-Requisite course required-SMTE0091

D. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

Required Textbook
None
Supplies
None

E. STUDENT LEARNING OUTCOMES AND ASSESSMENT

Student Learning Outcomes:
Lecture:
A) The student will understand the concept of symbiosis parasitism, host parasitic relationships, and host specificity.
B) Basic principals of epidemiology will be learned as human parasites
C) The student will learn the specific characteristics of major taxonomic groups of animal parasites.
D) The treatment, prevention and control of selected parasitic diseases will be learned
E) The student will learn the life cycle of selected parasite species
F) The student will understand what animal parasitic diseases are most prevalent in various parts of the world and specifically in the United States.
G) The student will be able to apply the knowledge gained in this course in a practical sense such as to avoid the likelihood of contracting parasitic diseases.
H) In the laboratory, the student will learn to employ the use of the compound microscope and dissecting microscope in the study of parasite life cycle stages.
I) The student will learn to identify using a microscope, the specific life style changes
J) The student will gain knowledge and skills relative to identifying alcoholic specimens of animal parasites

F. COURSE GRADING:
There will be three (3) lecture exams equally weighted during the semester. The 3rd exam will be given during the week of finals. The mean (x) f the two highest lecture scores will represent ¾ of the students course grade. All three (3) lecture exams must be taken.

In general there will be no makeup exams. The only exceptions are makeup lecture exams based on the prior approval of the instructor with a stipulated date for the makeup exam. The exceptions will be made only for students whose exams are in direct conflict with a university sanctioned activity.

Attendance in the laboratory is mandatatory. There will be no lab practical makeup exams. The lab will be based on the mean (x) of two lab practical exams. The lab grade will represent ¼ of the students total grade. The following grading scale will be used in determining the the course grade.

*At the discretion of the instructor, curve points may be added to the students final
TEXAS A&M UNIVERSITY – CORPUS CHRISTICOLLEGE OF SCIENCE AND ENGINEERING

overall class average. If curve points are given, each and every student will receive the same number of points. No extra credit work is permitted.

Student work: Each student is required to do independent work on each of the lecture and lab exams.

Plagiarism will result in failure of the course (F) and possible disciplinary action by the college and university. Assignments handed in after the due date will be subject to penalty points deducted for the assignment grade.

H. MAJOR COURSE REQUIREMENTS AND GRADING

Grading system*
A–90–100%
B–80–90%
C–70–80%
D–60–70%
F–0–60%

J. COLLEGE AND UNIVERSITY POLICIES

• Academic Integrity (University)
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior. See Full University Policy at http://catalog.tamucc.edu/content.php?c atoid=10&navoid=313#Academic_Integrity

• Classroom/Professional Behavior
  Professionalism is necessary for BIOL 4433.001 students and is required when students enter the classroom in preparation for their profession.

• Deadline for Dropping a Course with a Grade of W (University)
  The grade of “W” will be assigned to any student officially dropping a course by April 8, 2016. No student is eligible to receive a “W” without completing the official drop process by this deadline. Visit the Office of the University Registrar for the Course Drop Form that must submitted. After April 8, 2016 a student will not be allowed to drop a course.

• Grade Appeals (College of Science and Engineering)
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to de
monstrate the appropriateness of the appeal. A student with a complaint about a grade is e
ncouraged to first discuss the matter with the instructor. For complete details, including t
he responsibilities of the parties involved in the process and the number of days allowed f
or completing the steps in the process, see University Procedure 13.02.99.C2.01, Student
Grade Appeal Procedures. These documents are accessible through the University Rules
website at http://www.tamucc.edu/provost/university_rules/index.html, and the College o
f Science and Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/Grad
eAppeal.html. For assistance and/or guidance in the grade appeal process, students may c
ontact the chair or director of the appropriate department or school, the Office of the Coll
ege of Science and Engineering Dean, or the Office of the Provost.

• Disability Services
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides
comprehensive civil rights protection for persons with disabilities. Among other things, this
legislation requires that all students with disabilities be guaranteed a learning environment that
provides for reasonable accommodation of their disabilities. If you believe you have a disability
requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus
Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in
the classroom or on campus, please contact the Disability Services office for assistance at
(361) 825-5816. http://disabilityservices.tamucc.edu/

L. OTHER INFORMATION

GENERAL DISCLAIMER

I reserve the right to modify the information, schedule, assignments, deadlines, and course p
olicies in this syllabus if and when necessary. I will announce such changes in a timely man
ner during regularly scheduled lecture periods.
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# LAB SCHEDULE BIOL 4433 Parasitology
## Spring 2016

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Mon, Mar 14  SPRING BREAK
Wed, Mar 16  SPRING BREAK
Mon, Mar 21  no lab
Wed, Mar 23  Flukes and Fluke Eggs  Ch. 2 pp 44-85
Mon, Mar 28  Flukes and Fluke Eggs  Ch. 2 pp 44-85
Wed, Mar 30  Flukes and Fluke Eggs  Ch. 2 pp 44-85
Mon, Apr 04  Flukes and Fluke Eggs  Ch 2, pp 44-85'
Wed, Apr 06  Tapeworms and tapeworm eggs  Ch 3, pp 86-110
Mon, Apr 11  Tapeworms and tapeworm eggs  Ch 3, pp 86-110
Mon, Apr 13  Tapeworms and tapeworm eggs  Ch 3, pp 86-110
Mon, Apr 18  Tapeworms and tapeworm eggs  Ch 3, pp 86-110
Wed, Apr 20  Spiney Headed Worms, nematodes and nematode eggs  Ch 4, pp 111-117
Mon, Apr 25  Spiney Headed Worms nematodes and nematode eggs  Ch 4, pp 111-117
Wed, Apr 27  Second lab practical, Metazoa  Ch. 2,3,4
Mon, May 02  Second lab practical, Metazoa  Ch. 2,3,4

- See ch 5, pp 174-177 for helminth egg identification
- NOTE: the official deadline for dropping any course during 2016 Spring Semester is April 08, 2016