

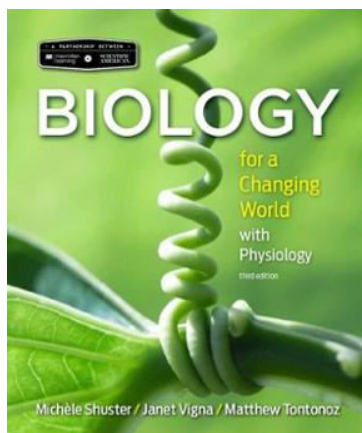
Instructor

Full Name:	Dr. Richard A. Moyer
Position:	Adjunct Professor of Biology
Credentials:	Ph.D; Teaching and Research at King since 1992
Email:	ramoyer@king.edu
Phone:	276-762-5533 or 276-254-0538
Virtual Office Hours:	Email questions anytime; Call any day 8 AM to 10 PM

Catalog Course Description

BIOL 1110 Principles of Biology. Topics include scientific investigation, interpretation and communication; macromolecules, genes and genomes, how cells and organisms store and use energy, nutrient flow in ecosystems, food webs.....4 s.h.

Course Resources



Additional Resources:

Our required book for this course is pictured at left and the ISBN is below. You can buy the book new, used or rent it; eCampus has the best prices at DirectTextbook.com. (This text also has an *optional* online site called "Launchpad". Your optional purchase of Launchpad includes the text as an online eBook.)

Title: Biology for a Changing World (with Physiology)

Edition: 3rd

Author: Shuster, Vigna, Tontonoz

Here is the ISBN for our book, again pictured at left:

ISBN 1319050581

Course Outcomes

Number	Course Outcomes
King Core Curriculum 2.8 (KCC 2.8)	Students will gain awareness of health and wellness issues based on current scientific understanding.
King Core Curriculum 5.1 (KCC 5.1)	Students will apply the scientific method to address problems.
King Core Curriculum 5.2 (KCC 5.2)	Students will differentiate data-based conclusions from opinion and from other ways of knowing.
King Core Curriculum 5.3 (KCC 5.3)	Students will articulate and evaluate the impact of current and emerging science and technologies on social and ethical issues.

Netiquette

Netiquette, or network etiquette, refers to the guidelines for online communication. Students who continue inappropriate behavior will be handled through the existing processes used to address student conduct.

Student guidelines for online participation:

- Use appropriate language.
- Use correct spelling and grammar.
- Be willing to express your opinion and respect the opinion of others.
- Respond to others in a courteous, professional manner.
- Reread and think before you push the *submit* button.
- Do not hesitate to ask for feedback and always ask for clarification when needed.

Be aware of the University's Academic Dishonesty Policy. To review some detailed guidelines on King's Classroom Civility Policy, see pages 6 and 7 at:

<http://students.king.edu/student-handbook/view/>

Module Start and End

Each module begins on Monday and ends on Sunday at 11:59 pm Eastern time. All assignments are due by the end day of each module.

Course Topic Outline

Module	Topics Covered	Est. Hours
Module 1	A Few Big Questions---Ch. 1 and 10 What is Science? What is Biology? Which of our lifestyle choices lower our cancer risk?	30
Module 2	Cycles---Ch. 21 and 22 Energy Flow in Ecosystems; Nutrient Cycles; Invasive Plants and Animals	30
Module 3	Variation---Ch. 2 and 4 Nutrition, Metabolism and Enzymes	30
Module 4	Energy---Ch. 5 and 6 Diet, Photosynthesis and Respiration	30
Module 5	Challenge and Response---Ch. 23, 24 and 25 From the example of one town in Kansas: Which of our choices make a difference locally, and affect the world around us? How do plants grow and respond to the world around them?	30

Evaluation Methods

Below is a listing of assignments that comprise the 100% possible for this course.

Assignment	Grade
Weekly discussion articles; initial 250 word summary and analysis. 20 points each Module. <i>Please read the Discussion Rubric.</i>	100 points; 10%
Substantive Discussion Board responses to classmates; 3 or more posted 20 points each week	100 points; 10%
Attendance: 20 points each week	100 points; 10%
Labs: 4 labs @ 50 points each. Final Lab Presentation and Review another 100 pts.	300 points; 30%
Two tests, worth 200 points each	400 points; 40%
Total Points →	1000 points; 100%

Course Policies

Instructor Grading

Though it cannot be guaranteed due to the possibility of unforeseen circumstances, student assignments will typically be graded within a week of the due date.

Attendance

In an accelerated learning model, interaction is foundational to synergy. Therefore, for the model of experiential learning to work, attendance must be mandatory. We recognize there is always the unexpected in the midst of adult life. Absences must be cleared in advance with your professor, who may set up a special meeting time, apart from class time, to cover learning objectives for that class. More than one absence per course or excessive absences in the program may be grounds for course failure and/or administrative withdrawal from the program. Attendance records are essential to comply with regulations established by the Veterans' Administration or recipients of VA benefits or federally insured student loans. If long term medical, family, or employment concerns develop, the student needs to contact their Student Support Specialist and Professor immediately. The Student Support Specialist will assist the student in addressing non-academic matters related to their program. The Professor will assist the student in addressing academic matters related to their program. (*Non-participation in a course for one week is considered equivalent to an absence.)

Participation

Participation in an online course is derived from the learner completing course assignments not limited to weekly discussions, weekly assignments, tests, individual and/or group projects, etc. **(Non-participation in this course can and will affect the learner's final grade.)**

Discussion Boards

Students are expected to actively participate in the discussion board each week, if applicable. Students are required to post an initial 250-word (minimum) response to the discussion board prompt(s) no later than Wednesday at 11:59pm of the current week's discussion board. Then each student must respond to the initial postings of at least three classmates, asking reflective questions and critically commenting on their ideas to extend the conversation. Please read the *Discussion Rubric* to understand grading.

King University Email Policy

King University Faculty and Students are required to use their King University email for all King University business correspondence. This requirement includes electronic correspondence with King University personnel and students in the course room. The use of personal or work email accounts for University related business is not permitted.

Grading Scale

Total Score	Course Grade	Value
97-100 points	A+	4.0
93-96.99 points	A	4.0
90-92.99 points	A-	3.7
87-89.99 points	B+	3.3
83-86.99 points	B	3.0
80-82.99 points	B-	2.7
77-79.99 points	C+	2.3
73-76.99 points	C	2.0
70-72.99 points	C-	1.7
67-69.99 points	D+	1.3
63-66.99 points	D	1.0
60-62.99 points	D-	0.7
Below 60 points	F	0.0

King University Honor Code

On my honor, I pledge to abide by the King University policies described in the Student Handbook. I understand that students of King University are to be honest in words and actions, in particular, not to lie, cheat, plagiarize, or steal. I pledge to conduct myself in a manner based on Christian values and to require the same of fellow students. I understand that a violation of this Honor Code may result in my appearance before the Honor Council.

**Academic Dishonesty and Academic Sanctions are addressed in detail in the King University Student Handbook. These sections are applicable to all King University courses and students.*

Accommodation of Special Needs

If you are a student with a disability and desire assistance or accommodation, please notify the instructor at least two weeks prior to request.

Changes

The instructor will notify students in writing in a timely manner of any changes to this syllabus.