

Syllabus

MISSISSIPPI VALLEY STATE UNIVERSITY

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|---|---|
| Academic Term and Year | |
| Course Prefix and Number | BI 422 and BI 422L (Lab and Course Required) |
| Course Title | Immunology |
| Days, Time and Location of Class Meeting | Online |
| Instructor's Contact Information | |
| Name: | Dr. Rachel Beecham |
| Office Location: | STB 2257 |
| Office Hours: | By Appt., Office Hours Posted |
| Office Phone Number: | 662-254-3377 |
| E-Mail Address: | rvbeecham@yahoo.com |
| Course Prerequisites | BI 111; BI 312 |
| Technology skills: | Basic computer skills, working within Windows system environment, navigating the internet, and familiarity with E-mail. |
| Course Description | <p>This course is designed to enlighten the student in understanding the human immunological system. The goals of the course are: to provide students with a working knowledge of human genetics and human immune physiology. The course also aims to show that human immunology is related to the fields of human evolution, human behavior, and environmental science.</p> <p>The exercises are planned to illustrate and review anatomical and physiological facts and principles presented in the textbook and to help students investigate some of these ideas in greater detail. The laboratory exercises include a variety of special features that are designed to stimulate interest in the subject matter, to involve students in the learning process, and to guide them through the planned activities.</p> |
| Expected Student Learning Outcomes | <ol style="list-style-type: none"> 1. Use their conceptual understanding of immunology to solve problems. 2. Understand accurate, up-to-date, significant information about the human body and immune system, both structural and functional. 3. Demonstrate understanding and appreciation of immunological research 4. Understand various disorders and diseases associated with the human body. |

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| Course Requirements | |
| Required textbook(s): | Kuby Immunology 6 th edition Available online in blackboard |
| Supplementary materials: | None |
| Class attendance policy | <p>Each student is required to participate in using Blackboard Email, taking online exams, and other aspects of Blackboard. You are expected to log in regularly (daily, perhaps several times per day) to submit assignments, check grades, personal messages, and view course materials. Even though this is an online course, it is not self-paced. Deadlines have been posted for completion of each quiz and exam.</p> <p>Student(s) who fail to participate in the online course during a course week will be deemed absent for that week. The absence will be annotated as <u>absent unexcused</u> (AU), unless the instructor has been informed beforehand and deemed the absence as <u>absent excused</u> (AE). The instructor shall report all absences to the main campus as required. A student who has not participated for 7 consecutive days regardless if the absences were deemed AU or AE shall be recommended for administrative withdrawal to the main campus. In a traditional classroom just because a student contacts the instructor and is excused from a scheduled class meeting does not mean the student is given credit for participation or attendance. The student is still annotated as AU or AE. The online classroom shall be no different in this respect. It is the instructor's sole discretion as to what he/she shall consider AU or AE.</p> |
| Cheating and plagiarism policy | <p>Cheating in any fashion will not be tolerated, including but not limited to plagiarizing another's words, work or ideas on individual class assignments.</p> <p>To address the situation of plagiarism, the University has implemented <i>Turnitin</i> to fight plagiarism and improve reading, writing, and research skills. <i>Turnitin</i> is a comprehensive plagiarism prevention system that lets faculty quickly and effectively check all students' work. Results are based on exhaustive searches of billions of pages from both current and archived instances on the Internet.</p> <p>Plagiarism will result in at least a failing grade for the assignment(s) and/or course.</p> |
| Make-up policy | <p><u>Make-up Assignments/Exams</u></p> <p>Make up WILL NOT BE allowed, except under extreme circumstances with an excuse. It is at the instructor's discretion. All exams will be taken in a restricted time frame. You are responsible for completing the exam during that time frame. Any questions not answered will be marked incorrect.</p> |
| Teaching/Learning Strategies | <p>The primary instructional model for this course is independent learning. Specifically, the instructor will set course content, course objectives, and methods of classroom assessment. The course will incorporate the following instructional strategies:</p> |

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| | <p>class discussion, online activities, assigned readings, and/or individual projects. Students are encouraged to actively participate in activities, ask questions, and contribute comments for discussion. Students are also encouraged to offer input regarding instructional strategies and assignments. Most importantly, students are expected to be active learners and to ask for clarification when they have questions. In order to be successful in the class, it is important that students, read the assigned material, and submit assignments and be prepared to discuss what they have read. The goal of this approach is to develop a safe learning environment that addresses a variety of learning styles, promotes critical thinking, and fosters creativity.</p> | | | | | | | | | | | | |
| <p>Submission of Work:</p> | <p>Scheduled assignments MUST be completed and successfully submitted through the Blackboard Assignment Tool (drop box) by due date and time. Assignments automatically become unavailable after the due date/time expires.</p> <p>All assignments MUST be keyed using MS Word (saved as a .DOC file); and no multiple submissions will be allowed.</p> <p>For each chapter: Please read chapter, study chapter and powerpoints, review animations, and be able to answer review questions at the end of each chapter to prepare for quizzes.</p> <p>For lab quizzes:</p> | | | | | | | | | | | | |
| <p>Course Drops/Incompletes:</p> | <p>Students not completing the course for any reason are required to submit official drop notices to the Registrar’s Office prior to the deadline date. This is your responsibility. Failure to comply with the procedure <u>WILL</u> result in your receiving a letter grade of “F”.</p> <p>Not officially withdrawing from the university may impact your financial aid and result in you owing the university.</p> | | | | | | | | | | | | |
| <p>Online Communication Observation of “Netiquette”:</p> | <p>Students MUST use Blackboard mail for contact with the instructor and other members of the class.</p> <p>All your Online communications should be composed with fairness, honesty and tact. What you put into an Online course reflects on your level of professionalism</p> | | | | | | | | | | | | |
| <p>Technology Infusion</p> | <p>Hardware:</p> <table border="1" data-bbox="776 1564 1477 1808"> <tr> <td>Operating System:</td> <td>Windows 98, 2000, NT, XP or a Macintosh System 8.1 or higher</td> </tr> <tr> <td>Processor:</td> <td>200 MHz or higher</td> </tr> <tr> <td>Memory:</td> <td>32 MB of RAM</td> </tr> <tr> <td>H Drive Space:</td> <td>100 MB free disk space</td> </tr> <tr> <td>Modem:</td> <td>28.8 kbps or higher</td> </tr> <tr> <td>Monitor:</td> <td>800x600 resolution</td> </tr> </table> | Operating System: | Windows 98, 2000, NT, XP or a Macintosh System 8.1 or higher | Processor: | 200 MHz or higher | Memory: | 32 MB of RAM | H Drive Space: | 100 MB free disk space | Modem: | 28.8 kbps or higher | Monitor: | 800x600 resolution |
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| | <p>Software:</p> <table border="1"> <tr> <td>Internet Access:</td> <td>Any Internet Service Provider</td> </tr> <tr> <td>Browser:</td> <td>Internet Explorer, Netscape r 4.7 or higher*, AOL 5.0 or higher**</td> </tr> <tr> <td>Application</td> <td>Recommend Microsoft Word or application file name .doc</td> </tr> <tr> <td>Audio & Video:</td> <td>RealPlayer, Quick Time</td> </tr> </table> | Internet Access: | Any Internet Service Provider | Browser: | Internet Explorer, Netscape r 4.7 or higher*, AOL 5.0 or higher** | Application | Recommend Microsoft Word or application file name .doc | Audio & Video: | RealPlayer, Quick Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Audio & Video: | RealPlayer, Quick Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Technical Problems:</p> | <p>If you experience technical/computer difficulties (<i>need help downloading browsers or plug-in, logging into your course, using your course web site tools, or experience errors or problems while in your online course</i>), contact Mr. PENDLETON at 662.254.3114 as well as your instructor.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Evaluation Procedures</p> | <p>Access Blackboard course at http://mvsu.blackboard.com/ or www.mvsu.edu click on WebCT for detailed instructions regarding assignments</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" data-bbox="256 703 636 1041"> <thead> <tr> <th colspan="3">Performance Standards/Grading:</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1100-990</td> <td>90%</td> </tr> <tr> <td>B</td> <td>989-880</td> <td>80%</td> </tr> <tr> <td>C</td> <td>879-770</td> <td>70%</td> </tr> <tr> <td>D</td> <td>769-660</td> <td>60%</td> </tr> <tr> <td>F</td> <td><660</td> <td>50%</td> </tr> </tbody> </table> | Performance Standards/Grading: | | | A | 1100-990 | 90% | B | 989-880 | 80% | C | 879-770 | 70% | D | 769-660 | 60% | F | <660 | 50% | <table border="1" data-bbox="833 699 1425 1024"> <thead> <tr> <th>Class</th> <th></th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>Introduction Assign.</td> <td>1</td> <td>50</td> </tr> <tr> <td>Syllabus Quiz</td> <td>1</td> <td>50</td> </tr> <tr> <td>Assignments (Lab)</td> <td>4@75</td> <td>300</td> </tr> <tr> <td>Quiz (7 Count -1 Drop Quiz)</td> <td>6@100</td> <td>600</td> </tr> <tr> <td>Final Exam</td> <td>1@100</td> <td>100</td> </tr> <tr> <td style="text-align: right;">Total</td> <td></td> <td>1100</td> </tr> </tbody> </table> <p>Lecture and Lab Grades will be determined and reported jointly.</p> | Class | | Points | Introduction Assign. | 1 | 50 | Syllabus Quiz | 1 | 50 | Assignments (Lab) | 4@75 | 300 | Quiz (7 Count -1 Drop Quiz) | 6@100 | 600 | Final Exam | 1@100 | 100 | Total | | 1100 |
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| Total | | 1100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Rubric:</p> | <p>See Blackboard</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ADA Statement</p> | <p>Mississippi Valley State University is committed to providing reasonable accommodations for students with a documented disability. If you feel you are eligible to receive accommodations for a covered disability (medical, physical, psychiatric, learning, vision, hearing, etc.) and would like to request it for this course, you must be registered with the Services for Students with Disabilities (SSD) program administered by University College. It is recommended that you visit the Disabilities Office located inside the EMAP Computer Lab in the Technical Education (IT) Building to register for the program at the beginning of each semester.</p> <p>For more information or to schedule an appointment, please contact Mr. Billy Benson, Jr. via phone or email at 662-254-3005 or billy.benson@mvsu.edu. Students who need special accommodations are encouraged to see me after class or in me office by appointment, so we can discuss your situation confidentially. Please bring your memo from the Program for Students with Disabilities to me as soon as possible.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Course Outline: *subject to some changes depending on the needs and level of the class*

| WEEKS | ASSIGNMENTS | TIME |
|---------|---|--|
| Week 1 | Sign on and orient to Blackboard, Blackboard Orientation Read Syllabus Read Introduction Material Discussion Board 1 | 30 Minutes 120 Minutes 120 Minutes |
| Week 2 | Read and Study Powerpoints for Introduction material Syllabus Quiz Introduction Assignment | 120 Minutes 60 Minutes 120 Minutes |
| Week 3 | Extra Credit Quiz (On introduction material to orient you to my quizzes) | 60 Minutes |
| Week 4 | Catch up week for late registration Make sure all your assignments up to this point are completed Syllabus Quiz EC Quiz Introduction Assignment Discussion Board 1 | |
| Week 5 | Quiz 1 (Introductory Material) | 60 Minutes |
| Week 6 | Chpt 1 (Read Chapter and Powerpoints, Do study questions at end of chapters) Quiz 2 (Chapter 1-overview of the immune system) Assignment 1 Due | 120 Minutes 60 Minutes 360 Minutes |
| Week 7 | MIDTERM Discussion Board 2 | 240 Minutes 120 Minutes |
| Week 8 | Chpt 16 Quiz 3 (Chapter 16-Tolerance and autoimmunity) Assignment 2 Due | 120 Minutes 60 Minutes 360 Minutes |
| Week 9 | Chpt 17 Quiz 4 (Chapter 17-Transplantation immunology) Assignment 3 Due | 120 Minutes 60 Minutes 360 Minutes |
| Week 10 | Chpt 18 Quiz 5 (Chapter 18- Immune response to infectious disease) | 120 Minutes 60 Minutes |
| Week 11 | Assignment 4 Due Discussion Board 3 | 360 Minutes 120 Minutes |
| Week 12 | Chpt 19 Quiz 6 (Chapter 19- Vaccines) | 120 Minutes 60 Minutes |
| Week 13 | Chpt 20 Quiz 7 (Chapter 20- AIDS and other immunodeficiencies) | 120 Minutes 60 Minutes |
| Week 14 | Thanksgiving break | |
| Week 15 | Study/Take Final Exams | |
| Week 16 | Final Exam | 240 Minutes |
| | | |
| | Total | 3750 Minutes |

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| Comments | This syllabus is not a contract. It is only a guideline. The instructor reserves the right to make changes and additions to this syllabus at her/his discretion. If changes are necessitated during the term of the course, you will be notified of changes via Blackboard mail. | |

XV. Bibliography

1. AAAS (American Association for the Advancement of Science). 1993. Benchmarks for Science Literacy. New York: Oxford University Press.
2. AAAS (American Association for the Advancement of Science). 1989. Science for All Americans. New York: Oxford University Press.
3. National Commission on Excellence in Education. 1983. A Nation at Risk: The Imperative for Educational Reform. Washington, DC: U.S. Government Printing Office.
4. NCTM (National Council of Teachers of Mathematics). 1989. Curriculum and Evaluation Standards for School Mathematics. Reston, VA: NCTM.
5. NRC (National Research Council). 1989. Everybody Counts: A Report to the Nation of the Future of Mathematics Education. Washington, DC: National Academy Press.
6. NSTA (National Science Teachers Association). 1992. Scope, Sequence and Coordination of Secondary School Science. Vol.1. The Content Core: A Guide for Curriculum Developers. Washington, DC: NSTA.
7. SCANS (Secretary's Commission on Achieving Necessary Skills). 1991. What Work Requires of Schools. Washington, DC: U.S. Government Printing Office.