WVU ACCESS Biology 102 & 104 Schedule   
(Revisions will be announced in class)

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WVU Lab and Program Coordinator: Dr. Jennifer Ripley Stueckle

***Module 1: Unity and diversity of living organisms***

| **Date** | **Topic** | **Pre-Class Readings** |
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| 1/6 | Unity and diversity of living organisms | 12.5, 12.8-12.9 |
| 1/7-1/8 | Introduction & Syllabus  Lab Orientation & Safety Rules  Lab: The Nature of Science – The Checks Lab | Read p. vii-ix  Lab pre-test on eCampus due Jan. 17 by midnight |
| 1/9 | Unity and diversity of living organisms | 12.15-12.18 |

***Module 2: Microorganisms: Bacteria, Archaea, Viruses and Protists***

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| 1/10 | Bacteria and Archaea | 15.1-15.8;***Bacteria HW due in class***  ***Lecture pre-test due*** |

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| 1/13 | Bacteria and Archaea | 15.1-15.8, 15.10 |
| 1/14-1/15 | Lab: Scientific Inquiry of Termite Behavior  Assignment: Graphing Homework | Read p. 1-10; Graphing HW p. 11-22  Lab pre-test on eCampus due Jan. 17 by midnight |
| 1/16 | Bacteria and Archaea | 15.11-15.12 |
| 1/17 | Viruses | 15.16-15.19 |

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| 1/20 | **MLK Day Recess** |  |
| 1/21-1/22 | Lab: Bacterial Diversity: Week 1  **\*Graphing Homework Due** | Read p. 23-36 |
| 1/23 | Viruses | 15.16-15.19; ***Online HW due*** |
| 1/24 | Protists | 15.13-15.15; ***Protist HW due in class*** |

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| 1/27 | Protists |  |
| 1/28-1/29 | Lab: Bacterial Diversity: Week 2  Plant Anatomy & Water Transport | Review p. 23-36  Read p. 37-50 |
| 1/30 | Catch-Up Day |  |
| **1/31** | **Exam 1** |  |

***Module 3: Fungi and Plants***

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| 2/3 | Fungi | 14.3-14.16 |
| 2/4-2/5 | **Lab Quiz 1**  Lab: Chlorophyll and Other Plant Pigments | Read p. 51-66 and Appendix 6 – p. 211  Study for Quiz 1 |
| 2/6 | Plant diversity | 14.1-14.4; ***Plant HW due in class*** |
| 2/7 | Plant diversity | 14.5-14.8 |

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| 2/10 | Plant diversity | 14.9-14.12; ***Online HW due*** |
| 2/11-2/12 | Lab: Interactions between Respiration & Photosynthesis  **\*Teamwork Assessment - Midterm** | Read p. 67-82 |
| 2/13 | Photosynthesis | 5.5-5.9 |
| 2/14 | Photosynthesis | 5.10-5.11; ***Online HW due*** |

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| 2/17 | Plant Growth | 20.14-20.16 | |
| 2/18-2/19 | Vital Signs Part 1 | | Read p. 83-106 |
| 2/20 | Plant Structure & Nutrition | | Slides |
| 2/21 | Catch-Up Day | |  |

***Module 4: Animal physiology, digestion, circulation and respiration***

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| **2/24** | | **Exam 2** |  | |
| 2/25-2/26 | | **Lab Quiz 2**  Lab: Vital Signs Part 2  **\*Vital Signs Homework Due** | Review p. 83-106  Vital signs HW p. 103  Study for Quiz 2 | |
| 2/27 | Introduction to Animal Physiology | | | 21.1-21.6 |
| 2/28 | Homeostasis | | | 21.7-21.10 |

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| 3/2 | Digestive System | | 23.1, 23.8-23.12 |
| 3/3-3/4 | | Lab: Kidney Function  **\*Vital Signs Report Due** | Read p. 107-120 |
| 3/5 | Digestive System | | 23.17-23.18; ***Online HW due*** |
| 3/6 | Circulatory System | | 22.1-22.4 |

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| 3/9 | Circulatory System | 22.5-22.9 |
| 3/10-3/11 | Lab: Effects of Common Drugs on Heart Rate | Read p. 121-134 |
| 3/12 | Circulatory & Respiratory Systems | 22.10-22.11; 22.12-22.15; ***Online HW due*** |
| 3/13 | Respiratory System | 22.17-22.19 |

***Module 5: Cellular respiration, immune system and nervous system***

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| 3/16 | Catch-Up Day |  |
| 3/17-3/18 | Lab: Cellular Respiration and Enzymatic Activity | Read p. 135-148 |
| **3/19** | **Exam 3** |  |
| 3/20 | Cellular Respiration | 5.12-5.15 |

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| 3/23 | Cellular Respiration | 5.16-5.17; ***Online HW due*** |
| 3/24-3/25 | Lab: Blood Types and the Immune System | Read p. 149-162 |
| 3/26 | Immunity and Health | 27.1-27.4; |
| 3/27 | Immunity and Health | 27.5-27.8; ***Vaccination HW due in class*** |

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| 3/30 | Immunity and Health | 27.9-27.13; ***Online HW due*** |
| 3/31-4/1 | Lab: Investigating Touch and Temperature Receptors | Read p. 163-178 |
| 4/2 | Nervous System | 24.1-24.6 |
| 4/3 | Nervous System | 24.7-24.18, 24.19, 24.21 |

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| 4/6-4/10 | Spring Break |  |

***Module 6: Muscular system and Hormones***

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| 4/13 | No School |  |
| 4/14-4/15 | **Lab Quiz 3**  Lab: Muscles Types, Structures and Fatigue  **\*Teamwork Assessment - Final** | Read p. 179-196  Post-Test due by Midnight on April 24  Study for Quiz 3 |
| 4/16 | Neurotransmitters | ***Online HW due*** |
| 4/17 | Catch-Up Day |  |

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| 4/20 | Study Day |  |
| **4/21** | **Exam 4** |  |
| 4/22 | Muscular System | 24.14-24.15 |
| 4/23 | Muscular System/Hormones | 25.1-25.5***; Lecture post-test due*** |
| 4/24 | Hormones | 25.11 |

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| 4/27-5/1 | Review |  |

FINAL EXAM DATE: May 4, 2020

The Final Exam will be open all day on May 4. The time limit is 2 hrs. Once you start the exam, you have to finish and submit it within 2 hrs.