Biology 101 Syllabus

* Week 1 – An Introduction to Biology (Including the definition of biology, the scientific method, characteristics of living things, levels of organization, unifying themes of biology)
* Week 2 – The Chemistry of Life
* Week 3 – The Cell
* Week 4 – Genetics and DNA, part 1
* Week 5 – Genetics and DNA, part 2
* Week 6 – Natural Selection and Evolution
* Week 7 –Taxonomy and Microbial Life
* Week 8 – Plants & Fungi – Diversity and Classification
* Week 9 – Plants & Fungi– Structure and Function
* Week 10 – Animal Diversity and Classification – Invertebrates
* Week 11 – Animal Diversity and Classification – Vertebrates
* Week 12 – Human Systems 1 – (Digestive, Respiratory, Circulatory, Skeletomuscular)
* Week 13 – Human Systems 2 – (Nervous, Immune, Endocrine, Reproductive)
* Week 14 – Ecology, Part 1- Energy flow through a system, Cycles of matter
* Week 15 – Ecology, Part 2 - Community and Ecosystem Dynamics, Population ecology
* Week 16 – Summary and review

Each three-hour class will include lecture and discussion, a lab activity, and some sort of assessment. Students should plan to spend 3-5 hours outside the class time per week on reading, working on projects, or studying for assessments.