

Outlines of Biology Course

| Week# | Date* | Lec # | Topic |
|-------|--------------|--------------|--|
| 1 | 2- Sep-2018 | 1 | What is life? |
| | | 2 | Biological molecules-I: Carbohydrates and Lipids |
| | | 3 | Biological molecules-II: Proteins |
| 2 | 9- Sep-2018 | 4 | Biological molecules-III: Nucleic Acids |
| | | 5 | Cells: cellular Organization-I |
| 3 | 16- Sep-2018 | 6 | Cells: cellular Organization-II |
| | | 7 | Biological Membrane -I |
| 4 | 23- Sep-2018 | 8 | Biological Membrane - II |
| | | 9 | Tissues I: Epithelial Tissue |
| 5 | 30- Sep-2018 | 10 | Tissues II: Connective Tissue |
| | | 11 | Tissues III: Muscle and Nervous Tissues |
| 6 | 7- Oct-2018 | 12 | Cell division: Cell cycle, Mitosis & Meiosis |
| | | 13 | Inheritance and human genetics |
| 7 | 14- Oct-2018 | 14 | Gene expression |
| | | Midterm Exam | |
| 9 | 28- Oct-2018 | 15 | Skin |
| | | 16 | The cardiovascular system |
| 10 | 4- Nov-2018 | 17 | Digestive system I |
| | | 18 | Digestive system II |
| 11 | 11- Nov-2018 | 19 | Immunity and lymphatic system I |
| | | 20 | Immunity and lymphatic system II |
| 12 | 18- Nov-2018 | 21 | The nervous system |
| | | 22 | The endocrine System I |
| 13 | 25- Nov-2018 | 23 | The endocrine System II |
| | | 24 | The reproductive system I: Male |
| 14 | 2- Dec-2018 | 25 | The reproductive system II: Female |
| | | 26 | The urinary System |
| 15 | 9- Dec-2018 | 27 | The respiratory system |
| | | 28 | The skeletomuscular system |
| 16 | 16-Dec-2018 | 27 | Final exam |