LABORATORY OUTLINE

**Required Material:**
Dissection Kit, Goggles and Nitrile disposables gloves

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<th>Lab</th>
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| 1   | Introduction  
Nervous System-Anatomy & Histology  
Spinal Cord & Peripheral Nerves  
Anatomy & Histology | Amerman  
Unit 12, p. 259-270, & p. 101  
Unit 13, p. 288-290  
Unit 14, p. 311-312, 320-321  
Bowden & Bowden  
P. 304-316  
Ancillary Illustrations: A20  
Rat Brachial Plexus Dissection | Amerman  
p. 271-276  
p. 298-300 (#s 2,8,910)  
p. 302 (#s 4,5), p. 327, 329-330 (#s 6 & 7) |
| 2   | Brain-External & Internal Features  
Human & Sheep, Cranial Nerves – Human & Sheep | Amerman  
Unit 13, p. 277-287, 291-295  
Unit 14, p. 312-314  
Bowden & Bowden  
P. 317-320  
Smith & Schenk  
p. 89-93, 98  
Sheep Brain Dissection | Amerman  
p. 297, 298-299 (#s 3-7), p. 301 (#s 1-3), 328 |
| 3   | Eye – Human & Calf Anatomy  
Physiology – Vision Tests | Amerman  
Unit 15, p. 339-345  
Smith & Schenk  
p. 94-96  
Cow Eye Dissection | Amerman  
p. 355-356 (#s 1-3), 359 (# 1) |
| 4   | Senses – Auditory – Anatomy  
Auditory – Physiology & Audiometry  
Integumentary  
Olfactory & Gustatory – Anatomy & Physiology | Amerman  
Unit 15, p. 346-353 | Amerman  
p. 356-358 (#s 4-10), 359-360 (#s 2-6) |
| 5 | CNS – Physiology  
Human Somatic & Autonomic Reflexes  
PRACTICAL EXAM ON LABS 1-4 | Amerman  
Unit 14, p. 322-325 | Amerman  
p. 330 (#s 9-10), p. 332 #3 |
| 6 | Digestion Anatomy &  
Digestion Histology | Amerman  
Unit 25, p 549-567  
Smith & Schenk  
p.41-50  
Rat Digestive System Dissection | Amerman  
p. 577-582 |
| 7 | Digestive Physiology | Amerman  
Unit 25, p 568-575 | Amerman  
p. 580, 582 (#s 5 & 6) |
| 8 | Urinary System Anatomy  
Urinary System Histology  
Urinary System Physiology | Amerman  
Unit 23, p 513-528  
Unit 24, p 535-544  
Smith & Schenk  
p.84-88+Fig.7.2-7.4  
Rat Urinary System Dissection | Amerman  
p. 529-534, 546 (#s 9 & 10) |
| 9 | Reproductive Anatomy & Histology Rat and Human  
WRITTEN EXAMS ON LABS 5-8 | Amerman  
Unit 27, p 605-614  
Smith & Schenk  
p.77-85  
Rat Reproductive System Dissection | Amerman  
p. 621-623, 525-526 (#s 1-5) |
| 10 | Physiology of Reproduction  
Meiosis & Fertilization | Amerman  
Unit 27, p 615-620  
Unit 28, p 632 | Amerman  
p. 623-624 (#s 6-10) |
| 11 | Embryonic Development  
Early Cleavage  
Late Pregnancy & Parturition  
PRACTICAL EXAM ON LABS 6-10 | Amerman  
Unit 28, p 627-637 | Amerman  
p. 645-648 (#s 1-6), 649 (#s 1-4) |
| 12 | Genetics | Amerman  
Unit 28, p 638-643  
Electrophoresis – Supplement  
Mendelian Genetics-Supplement | Amerman  
p. 648 (#s 8-10) |

WRITTEN EXAM ON LABS 9-12 GIVEN DURING FINALS WEEK