

# ANATOMY WEEK 1

DAY 1 An overview of anatomy and physiology Homeostasis (pg 9-11)
DAY 2 Anatomical Positions and Directions (page 12)
DAY 3 Levels of structural organization (pg 2-3)
DAY 4 Principal systems of the human body (pg 3-7) Review chapter 2 on Chemistry on your own
DAY 5 Exam on days 1-4 Tissue classification—Epithelium. Review Cell info on your own (pg 74-79 and (80-83) (Rust 2a, 3-14, 63, 74, 89, 93)

# ANATOMY WEEK 2

DAY 6 Connective Tissue (pg 80-83)
DAY 7 LAB: Microscope slides on all tissue types BYOD: University of Iowa virtual slidebox
DAY 8 Slide day on tissue identification, location and purpose Review time in lab groups
DAY 9 Tissues Exam Intro to Integumentary System (Skin Structures)
DAY 10 Continue Integumentary with skin structures (pg 93-102), Rust (6a, 33, 34)

# ANATOMY WEEK 3

DAY 11 Integumentary system / Hair and nails (p 100-102), Rust (46-49)
DAY 12 Skin Models
DAY 13 Abnormal Integument Possible topics (Burns, Melanomas, Carcinomas, Impetigo, Psoriasis and Cold Sores)
DAY 14 Exam on Integument
DAY 15 Guest Speaker from AMHOB. Wound care specialty.

# ANATOMY WEEK 4

DAY 16 Skeletal System – Bone Formation and Growth Apical vs. axial skeleton
DAY 17 Skeletal System – Bones and bony markings
DAY 18 Thorax (articulated and disarticulated) (pg 121, 127-133), (Rust 15, 19, 20, 22)
DAY 19 Veterbral view (articulated and disarticulated)
DAY 20 Upper limbs (pg 133-135, 137-139), (Rust 15, 21-24)

# ANATOMY WEEK 5

DAY 21 Lower extremity
DAY 22 X-rays
DAY 23 Fractures, healing, (Disorders: osteoporosis, scoliosis, kyphosis, lordosis, Spina Bifida)
DAY 24 Lab study day
DAY 25 Exam on Skeletal system

# ANATOMY WEEK 6

DAY 26 Guest Speaker "Spina Bifida"
DAY 27 Skull (pg 122-126) (Rust 16-18)
DAY 28 Skull review
DAY 29 Skull exam
DAY 30 Possible field trip to RFU/CMS for tissue viewing and histology lab with Dr. Chris Brandon

# ANATOMY WEEK 7

DAY 31 Joints – structure and function (page 143-146)
DAY 32 Knee and hip
DAY 33 Elbow and shoulder
DAY 34 Joint disorders and surgical repairs
DAY 35 Different joint types

# ANATOMY WEEK 8

DAY 36 Blood – Erythrocytes (pg 294-308) (Rust 14)
DAY 37 Blood – Erythrocytes / Leukocytes
DAY 38 Blood -- Leukocytes
DAY 39 Blood -- Disorders
DAY 40 Blood – Microscope / slidework BYOD—University of Iowa virtual slidebox



# ANATOMY WEEK 9

DAY 41 Lab day : Phlebotomy
DAY 42 Exam on Blood
DAY 43 Cardiovascular system / heart (pg. 314-334) (Rust 6, 14, 27, 39-40)
DAY 44 Heart / heart model
DAY 45 Heart model

# ANATOMY WEEK 10

DAY 46 Vessels of the heart
DAY 47 Electrical path / rhythms of the heart
DAY 48 Electrical Path of the heart
DAY 49 Arteries
DAY 50 Arteries

# ANATOMY WEEK 11

DAY 51 Veins
DAY 52 Veins
DAY 53 Cardiac Anomalies
DAY 54 Cardiac Anomalies
DAY 55 Guest speaker: AMHOB. Emergency nursing. Cardiac

# ANATOMY WEEK 12

DAY 56 Fetal cardiac development
DAY 57 Guest speaker: AMHOB Exercise/Cardiac specialist
DAY 58 Blood pressure Sphygomanometer and stethoscopes
DAY 59 Blood pressure practice
DAY 60 Advising on blood pressure disorders Out and about practice

# ANATOMY WEEK 13

DAY 61 Review for cardiac exams
DAY 62 Cardiac Exam
DAY 63 Lymphatic “defense” system (pg 352-356) (rust 4, 41-45)
DAY 64 Lymphatic “defense” system
DAY 65 Lymphatic system

# ANATOMY WEEK 14

DAY 66 Lymphatic system
DAY 67 Lymphatic defense
DAY 68 Guest speaker: AIDS/HIV
DAY 69 Guest speaker: Non-Hodgkin's Lymphoma
DAY 70 Exam on Lymphatic system

# ANATOMY WEEK 15

DAY 71 Respiratory system Functional anatomy (pg 386-389), (Rust 3, 73-75)
DAY 72 Models of Respiratory system
DAY 73 Respiratory physiology (pg. 393-407) Respiratory disorders
DAY 74 Respiratory physiology (pg. 393-407) Respiratory disorders
DAY 75 Lung sounds / disorders

# ANATOMY WEEK 16

DAY 76

Respiratory Lab Day (Intubation, Oxygen therapy, Nebulizers, Tracheostomy, Asthma, Emphysema, Bronchogenic Carcinoma, Pneumonia, TB, Respiratory Distress, Influenza, CO poisoning)

DAY 77

Respiratory Exam

DAY 78

Nervous system / Nervous system organization  
Histology (pg 193-195)

DAY 79

CNS (pg. 205-216), (Rust 28-33, 35)

DAY 80

CNS and Brain



# ANATOMY WEEK 17

DAY 81 CNS / Brain
DAY 82 Sheep Brain Dissection (Rust 34 and 35)
DAY 83 Peripheral Nervous System (PNS) (pg. 218-222), (Rust 35-38)
DAY 84 Spinal Nerve Model
DAY 84 Nerve Models

# ANATOMY WEEK 18

DAY 85 CPR Day 1
DAY 86 CPR Day 2
DAY 87 CPR Day 3
DAY 88 CPR Day 4
DAY 89 CPR Day 5

# ANATOMY WEEK 19

DAY 90 Autonomic Nervous System **Note—look at pg. 225 in text (not covered in class)
DAY 91 Cranial Nerves I - VI
DAY 92 Cranial Nerves VII - XII
DAY 93 Guest Speaker – Childhood Disorders (ADD/ADHD, etc.)
DAY 94 Exam on Nervous system

# ANATOMY WEEK 20

DAY 95 Special Senses -- Eye (pg. 240-250) (Rust 95-96)
DAY 96 Eye continued with models of eye
DAY 97 Ear (pg. 251-256), (Rust 93-94)
DAY 98 Ear continued with models of the ear
DAY 99 Taste and smell (pg. 257-259), (Rust 33, 34,47,48,50,51)

# ANATOMY WEEK 21

DAY 100 Taste and Smell
DAY 101 Guest speaker: AMHOB. Audiology / H.O.H.
DAY 102 Exam on Special Senses
DAY 103 Endocrine System – Hormones (pg. 266-284), (Rust 45,72, 79-80, 85-86, 97-100)
DAY 104 Hormones continued

# ANATOMY WEEK 22

DAY 105 Endocrine system --glands (pg. 269-284)
DAY 106 Endocrine system --glands
DAY 107 Endocrine system review
DAY 108 Endocrine exam
DAY 109 Guest speaker: AMHOB. Diabetes

# ANATOMY WEEK 23

DAY 110 Digestive System—Tunics and Tissues (pg. 411-421), (Rust 3, 44, 50-72)
DAY 111 Tunics and tissues continued
DAY 112 Organ functions—lumen organs
DAY 113 Organ functions—lumen organs
DAY 114 Organ functions—accessory organs

# ANATOMY WEEK 24

DAY 115 Organ functions—accessory organs
DAY 116 Enzymes of digestion
DAY 117 Enzymes of digestion
DAY 118 Cat dissection of digestive organs
DAY 119 Cat dissection of digestive organs, cont.



# ANATOMY WEEK 25

DAY 120 Protein trace from oral cavity to anus
DAY 121 Nutrition and Metabolism
DAY 122 Nutrition and Metabolism
DAY 123 Digestion Review Day
DAY 124 Digestion Exam

# ANATOMY WEEK 26

DAY 125 Guest speaker: AMHOB. Nutrition or GI Surgical Specialist
DAY 126 Urinary System (pg. 256-467), (Rust 2, 4, 76-78)
DAY 127 Kidney anatomy
DAY 128 Kidney physiology and function
DAY 129 Ureters, Urinary Bladder, Urethra (pg. 468-471) Kidney models

# ANATOMY WEEK 27

DAY 130 Urinalysis function
DAY 131 Urinalysis testing and results and reports
DAY 132 Urinary Disorders (Kidney Stones, Renal Failure, Dialysis)
DAY 133 Urinary exam
DAY 134 Possible field trip to RFU/CMS. Gross Anatomy Lab

# ANATOMY WEEK 28

DAY 135 Reproduction—Male Anatomy (pg 478-484), (Rust 79—87)
DAY 136 Male Anatomy with model
DAY 137 Male anatomy--spermatogenesis
DAY 138 Female Anatomy (pg. 485-494), (Rust 89—91)
DAY 139 Female Anatomy with model

# ANATOMY WEEK 29

DAY 140 Female Anatomy—with oogenesis
DAY 141 Female Anatomy—Menstruation with hormones
DAY 142 Reproduction Fertilization
DAY 143 Reproduction Review
DAY 144 Reproductive Unit Exam

# ANATOMY WEEK 30

DAY 145  
Joints Exam

DAY 146  
Guest Speaker: AMHOB. Confidentialy, HIPPA, TB Tests

DAY 147  
Muscle anatomy – 3 types  
(pg 155-163, 174-176, 179-185) (Rust 101-108)

DAY 148  
Cat dissection and hand out on muscles

DAY 149  
Preparation of F. domesticus

# ANATOMY WEEK 31

DAY 150 Deintegumentation
DAY 151 Finish deintgumentation
DAY 152 Muscle Anatomy / Dissection
DAY 153 Muscle Anatomy / Dissection
DAY 154 Muscle Anatomy / Dissection

# ANATOMY WEEK 32

DAY 155  
Muscle Anatomy / Dissection

DAY 156  
Muscle Anatomy / Dissection

DAY 157  
Muscle Anatomy / Dissection

DAY 158  
Muscle Anatomy / Dissection

DAY 159  
Muscle Anatomy / Dissection



# ANATOMY WEEK 33

DAY 160 Muscle Anatomy / Dissection
DAY 161 Muscle Anatomy / Dissection
DAY 162 Review muscles and peer exams
DAY 163 First half exam on muscles
DAY 164 Second half exam on muscles

# ANATOMY WEEK 34

DAY 165 OPQRST
DAY 166 SAMPLE
DAY 167 OPQRST/SAMPLE PRACTICE
DAY 168 INDEPENDENT PROJECT
DAY 169 INDEPENDENT PROJECT

# ANATOMY WEEK 35

DAY 170 OPQRST SAMPLE
DAY 172 OPQRST SAMPLE
DAY 173 INDEPENDENT PROJECT / OPQRST SAMPLE
DAY 174 INDEPENDENT PROJECT / OPQRST SAMPLE
DAY 175 Possible Trip to RFU/CMS. EEC Lab for Mock Clinic

# ANATOMY WEEK 36

DAY 176 Exam Review Day
DAY 177 Exam Review Day
DAY 178 Final Exam -- Comprehensive
DAY 179 Final Exam -- Comprehensive
DAY 180 Book Return and Exam Return