

## BIOLOGY 308: TEXT REFERENCES

The assigned textbook for this course is Silverthorn, DU. Human Physiology, 4th edition, 2007. However, the 3rd edition of this book is acceptable, also.

The following are the sections of the text covering the material of this course:

<u><i>Subject</i></u>	<u><i>Silverthorn, 3rd edition</i></u>	<u><i>Silverthorn, 4th edition</i></u>
<b>Neurophysiology</b>		
Membrane Transport & Membrane Potential	Pages 124-150 & 156-162	Pages 53-58 & 132-153 & 160-166
Excitability & Action Potential	Pages 240-262	Pages 243-269
Neuromuscular Transmission	Pages 382-383	Pages 390-391
Skeletal Muscle	Pages 390-413	Pages 397-421
Sensory Endings	Pages 322-324 & 328-330	Pages 328-330 & 334-336
Synaptic Transmission	Pages 263-275	Pages 270-285
Spinal Reflexes	Pages 293-294 & 429-430 & 431-439	Pages 301-302 & 435-436 & 439-448
Autonomic Nervous System	Pages 370-381 & 430-431	Pages 377-389 & 437-438
Somatic Sensation	Pages 324-334 (for general brain anatomy & function pages 294-304)	Pages 330-340 (for general brain anatomy & function pages 302-312)
Pain	Pages 333-335	Pages 340-342
Visual System	Pages 350-361	Pages 358-370
Auditory System	Pages 340-346	Pages 347-354
Vestibular System	Pages 347-349	Pages 355-357
Chemosensation	Pages 335-340	Pages 343-347
Motor Cortex, Basal Ganglia, Cerebellum	Pages 438-443	Pages 447-451
Sleep & EEG, Emotion, Language, Memory & Learning	Pages 305-314	Pages 312-321

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<u>Subject</u>	<u>Silverthorn, 3rd edition</u>	<u>Silverthorn, 4th edition</u>
<b>Cardiovascular System</b>		
Blood & Hemostasis	Pages 536-554	Pages 524-541
Cardiac Excitation & ECG	Pages 464-474	Pages 470-484
Cardiac Cycle	Pages 457-459 & 474-479	Pages 465-470 & 484-489
Peripheral Circulation	Pages 449-456 & 491-503	Pages 457-464 & 501-513
Capillary Exchange	Pages 504-509	Pages 514-520
Regional Circulation	Page 503	Pages 514-515
CV System Regulation	Pages 480-482, 510-516	Pages 489-493 & 521-524

<u>Subject</u>	<u>Silverthorn, 3rd edition</u>	<u>Silverthorn, 4th edition</u>
<b>Respiratory System</b>		
Respiratory Ventilation	Pages 547-552 & 554-563	Pages 558-564 & 567-576
Alveolar Gas Exchange	Pages 552-553 & 564-567 & 575-579	Pages 565-566 & 577-579 & 588-593
Blood Gas Transport	Pages 579-587	Pages 593-601
Respiratory Regulation	Pages 587-592	Pages 602-607

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<u><i>Subject</i></u>	<u><i>Silverthorn, 3rd edition</i></u>	<u><i>Silverthorn, 4th edition</i></u>
<b>Renal Physiology</b>		
Renal Function	Pages 599-614	Pages 614-631
Water Balance & Body Compartments	Pages 50-52 & 642-644	Pages 626-628
Renal Water Regulation	Pages 626-634	Pages 642-652
Renal Electrolyte Regulation	Pages 635-645	Pages 652-663
Acid-Base Balance	Pages 663-671	Pages 645-653
<u><i>Subject</i></u>	<u><i>Silverthorn, 3rd edition</i></u>	<u><i>Silverthorn, 4th edition</i></u>
<b>Alimentary System</b>		
Motility, Digestion, Absorption	Pages 676-709	Pages 660-687

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<u><i>Subject</i></u>	<u><i>Silverthorn, 3rd edition</i></u>	<u><i>Silverthorn, 4th edition</i></u>
<b>Endocrinology &amp; Reproduction</b>		
Endocrinology	Pages 209-221	Pages 212-224
Pituitary & Growth	Pages 221-226 & 736-739	Pages 225-230 & 761-764
Thyroid	Pages 732-736	Pages 756-761
Energy Metabolism (including Endocrine Pancreas) & Temperature Regulation	Pages 716-745	Pages 696-720
Calcium Metabolism	Pages 740-746	Pages 764-771
Adrenal Cortex	Pages 727-732	Pages 751-756
Endocrine Pancreas	Pages 705-715	Pages 728-739
Sexuality	Pages 797-805	Pages 821-831
Male Reproductive System	Pages 805-810	Pages 831-836
Female Reproductive System	Pages 810-818 & 820-826	Pages 836-844 & 846-851
Perinatal Circulation & Respiration	Not covered in text	Not covered in text
Birth & Lactation	Pages 824-828	Pages 851-854

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