Physics 5B  
Physics for Life Science Majors:  
Thermodynamics, Fluids, Waves, Light, and Optics  
Winter Quarter 2020

Lecture 3:  
MWF 1:00 – 1:50 PM, Kinsey Pavilion 1220B

Instructor:  
David Schriver  
Office: 3871 Slichter Hall  
Phone: 310-825-6843  
e-mail: dave@igpp.ucla.edu  
Office Hours: Tuesday 3:00-5:00 PM

TA:  
Nicole Echterling (nechterling@ucla.edu)  
Office: 3870 Slichter Hall, Office Hours: Tuesday 12-2 PM  
Dominic Reiss (doreiss@ucla.edu)  
Office: Knudsen 6130B, Office Hours: Friday 12-1 PM

Discussion:  
3A Thu 2:00 – 2:50 PM PAB 2434  
3B Thu 4:00 – 4:50 PM Boelter 5422  
3C Thu 5:00 – 5:50 PM MS 5147  
3D Fri 12:00 – 12:50 PM Rolfe 3108  
3E Fri 2:00 – 2:50 PM Bunche 3150

Text:  
Knight, Jones, Field, University Physics for the Life Sciences

Supplement:  
Physics 5B lab manual

Prerequisites:  
Physics 5A

Exams:  
Midterm 1 Fri., Jan. 31 1:00-1:50 PM (Review Wed. 1/29 1-2 PM)  
Midterm 2 Fri., Feb. 28 1:00-1:50 PM (Review Wed. 2/26, 1-2 PM)  
Final Thu., Mar 19 8:00-11:00 AM

Homework/Quizzes: Assigned weekly, usually due the following week

Mastering Physics:  
Homework assigned via MyLab & Mastering Tools link on the CCLE

Grading:  
Homework 10%  
Laboratory 15%  
Midterm 1 15%  
Midterm 2 15%  
Final exam 45%

Holiday:  
Monday, January 20 (MLK Day)  
Monday, February 17 (Presidents Day)
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<td>January 6 – 10</td>
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<td>Using Energy (Laws of Thermodynamics)</td>
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<td>January 13 – 17</td>
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<td>Thermal Properties of Matter</td>
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<td>January 20</td>
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<td>January 22 – 24</td>
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<td>January 27 (Mon)</td>
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<td>January 29 (Wed)</td>
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<td>January 31 (Fri)</td>
<td>11, 12, 13</td>
<td><strong>Midterm 1 (in class)</strong></td>
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<td>February 3 – 7</td>
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<td>February 24 (Mon)</td>
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<td>February 28 (Fri)</td>
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<td>March 2 – 6</td>
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<td>Wave Optics</td>
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<td>March 9 – 13</td>
<td>18, 19</td>
<td>Ray Optics, Optical Instruments, Review</td>
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<td>11</td>
<td>March 19 (Thursday)</td>
<td>All</td>
<td><strong>Final Exam 8:00–11:00 AM</strong></td>
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