

**Physics 115 - Spring 2020**  
**Course Schedule**

Textbook  
*College Physics, Knight, Jones Field*

Week	Day	Date	Lecture	Content	Textbook	118 Lab (not part of 115)
1	Mon	30-Mar	1	Introduction/Transforming energy	11.1 & 11.2a	No labs this week, but keep an eye on email and canvas for more info
	<b>Tues</b>	<b>31-Mar</b>	2	Energy in the Body and Temperature	11.2 - 11.3b	
	Wed	01-Apr	3	Heat and First Law of Thermodynamics	11.3 - 11.4	
	Fri	03-Apr	4	Entropy	11.7 - 11.8	
2	Mon	06-Apr	5	Ideal Gases	12.1 - 12.2	
	<b>Tues</b>	<b>07-Apr</b>		<b>Tutorial 1: Ideal Gas Law</b>		
	Wed	08-Apr	6	Ideal-Gases Processes	12.3	
	Fri	10-Apr	7	Thermal Expansion / Specific Heats	12.4 - 12.5c	
3	Mon	13-Apr	8	Heat of Transformation	12.5	
	<b>Tues</b>	<b>14-Apr</b>		<b>Tutorial 2: First Law of Thermodynamics</b>		
	Wed	15-Apr	9	Calorimetry	12.6 - 12.7	
	Fri	17-Apr	10	Heat Transfer / Diffusion	12.8 - 12.9	
4	Mon	20-Apr	11	Hydrostatic Pressure	13.1 - 13.2 & 13.7d	
	<b>Tues</b>	<b>21-Apr</b>		<b>Tutorial 3: Pressure</b>		
	Wed	22-Apr	12	Buoyancy	13.3	
	Fri	24-Apr	13	Ideal Fluid Flow	13.4 - 13.5 & 13.7e	
5	Mon	27-Apr		Review		
	<b>Tues</b>	<b>28-Apr</b>		<b>Midterm 1</b>		
	Wed	29-Apr	14	Viscous Fluid Flow	13.6 - 13.7	
	Fri	01-May	15	Charge and Electric Force	20.1 - 20.3	
6	Mon	04-May	16	Electric Field	20.4 - 20.5	
	<b>Tues</b>	<b>05-May</b>		<b>Tutorial 4: Charge</b>		
	Wed	06-May	17	Applications & Torques in Electric Fields	20.6 - 20.7	
	Fri	08-May	18	Electric Potential & Potential Energy	21.1 - 21.3	
7	Mon	11-May	19	Electric Potential & Electric Field	21.4 - 21.5	
	<b>Tues</b>	<b>12-May</b>		<b>Tutorial 5: Electric Potential Difference</b>		
	Wed	13-May	20	Electrocardiogram	21.6	
	Fri	15-May	21	Capacitance	21.7 - 21.8	
8	Mon	18-May		Review		
	<b>Tues</b>	<b>19-May</b>		<b>Midterm 2</b>		
	Wed	20-May	22	Current and Resistance	22.1 - 22.5	
	Fri	22-May	23	Kirchhoff's Laws	23.1 - 23.4	
9	Mon	25-May		Holiday		
	<b>Tues</b>	<b>26-May</b>		<b>Tutorial 6: Capacitance</b>		
	Wed	27-May	24	Complex Circuits	23.5 - 23.6	
	Fri	29-May	25	RC Circuits & Electricity in the Nervous System	23.7 - 23.8	
10	Mon	01-Jun	26	Magnetic Fields	24.1 - 24.4	
	<b>Tues</b>	<b>02-Jun</b>		<b>Tutorial 7: Magnets and Magnetic Forces</b>		
	Wed	03-Jun	27	Magnetic Forces	24.5 - 24.6	
	Fri	05-Jun		Review		

	<b>Tues</b>	<b>9-Jun</b>		<b>Final Exam Section A</b>	<b>8:30 – 10:20AM</b>
	<b>Wed</b>	<b>10-Jun</b>		<b>Final Exam Section B</b>	<b>8:30 – 10:20AM</b>

- a Energy inputs
- b up to temperature scales section
- c Specific heat section only
- d Blood pressure section onl
- e up to EXAMPLE 13.15