

# PHYSICS 403 SYLLABUS, FALL 2022

Professors Eugene Colla and Virginia Lorenz

	Date	Day	Activity	Comment	Note
<b>1</b>	<b>8/23</b>	<b>Tues</b>	<b>Orientation</b>	<b>About Phy403</b>	
<b>2</b>	<b>8/25</b>	<b>Thurs</b>	<b>Cycle 1-1</b>		
<b>3</b>	<b>8/30</b>	<b>Tues</b>	<b>Cycle 1-2</b>	<b>OriginPro Intro/Root</b>	
<b>4</b>	<b>9/01</b>	<b>Thurs</b>	<b>Cycle 1-3</b>	<b>Elog Comments</b>	
<b>5</b>	<b>9/06</b>	<b>Tues</b>	<b>Cycle 1-4</b>	<b>Error analysis</b>	
<b>6</b>	<b>9/08</b>	<b>Thurs</b>	<b>Cycle 1-5</b>		
<b>7</b>	<b>9/13</b>	<b>Tues</b>	<b>Cycle 1-6</b>	<b>Written Reports</b>	
<b>8</b>	<b>9/15</b>	<b>Thurs</b>	<b>Cycle 1-7</b>		
<b>9</b>	<b>9/20</b>	<b>Tues</b>	<b>Cycle 1-8</b>	<b>Ferroelectricity</b>	<b>C1-Ex1(9.21.22)</b>
<b>10</b>	<b>9/22</b>	<b>Thurs</b>	<b>Cycle 1-9</b>		
<b>11</b>	<b>9/27</b>	<b>Tues</b>	<b>Cycle 1-10</b>	<b>Optical spectroscopy</b>	
<b>12</b>	<b>9/29</b>	<b>Thurs</b>	<b>Cycle 1-11</b>		
<b>13</b>	<b>10/04</b>	<b>Tues</b>	<b>Cycle 1-12</b>	<b>Oral Reports/Talks</b>	
<b>14</b>	<b>10/06</b>	<b>Thurs</b>	<b>Cycle 2-1</b>		
<b>15</b>	<b>10/11</b>	<b>Tues</b>		<b>ORALS 1</b>	
<b>16</b>	<b>10/13</b>	<b>Thurs</b>			
<b>17</b>	<b>10/18</b>	<b>Tues</b>	<b>Cycle 2-2</b>	<b>Superconductivity</b>	<b>C1-Ex2 (10.19.22)</b>
<b>18</b>	<b>10/20</b>	<b>Thurs</b>	<b>Cycle 2-3</b>		
<b>19</b>	<b>10/25</b>	<b>Tues</b>	<b>Cycle 2-4</b>	<b>Entanglement</b>	
<b>20</b>	<b>10/27</b>	<b>Thurs</b>	<b>Cycle 2-5</b>		
<b>21</b>	<b>11/01</b>	<b>Tues</b>	<b>Cycle 2-6</b>	<b>AFM</b>	
<b>22</b>	<b>11/03</b>	<b>Thurs</b>	<b>Cycle 2-7</b>		
	<b>11/08</b>			<b>Election Day</b>	
<b>23</b>	<b>11/10</b>	<b>Thurs</b>	<b>Cycle 2-8</b>		
<b>24</b>	<b>11/15</b>	<b>Tues</b>	<b>Cycle 2-9</b>	<b>High Energy Physics</b>	<b>C2-Ex1 (11.11.22)</b>
<b>25</b>	<b>11/17</b>	<b>Thurs</b>	<b>Cycle 2-10</b>	<b>Final Talks Preparation</b>	
				<b>Thanksgiving Break</b>	
<b>26</b>	<b>11/29</b>	<b>Tues</b>	<b>Cycle 3-11</b>	<b>Lock-in Amps and FT</b>	
<b>27</b>	<b>12/01</b>	<b>Thurs</b>	<b>Cycle 3-12</b>		
<b>28</b>	<b>12/06</b>	<b>Tues</b>		<b>Final Orals #1</b>	
	<b>12/08</b>	<b>Thurs</b>		<b>READING DAY</b>	<b>C2-Ex2 (12.08.22)</b>
<b>29</b>	<b>12/13</b>	<b>Tues</b>		<b>Final Orals #2</b>	