

Math 470 Abstract Algebra: Fall 2025 Schedule

August 2025						
◀ Jul 2025						Sep 2025 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
17	18	19	20	21	22	23
24	25	26 First Day of Class Introduction and Expectations What is Abstract Algebra?	27	28 Ch. 1: Intro to Groups. Examples	29	30
31						

September 2025						
◀ Aug 2025					Oct 2025 ▶	
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Labor Day	2 Ch. 1: Intro to Groups. Examples Ch. 2: Groups. Elementary Properties	3 Homework 0 Due at 11:59pm	4 Ch. 2: Groups. Elementary Properties	5	6
7 Last Day of Add/Drop Period	8	9 Ch. 3: Finite Groups, Subgroups	10 Homework 1 Due at 11:59pm	11 Ch. 3: Finite Groups, Subgroups Ch. 4: Cyclic Groups	12	13
14	15	16 Ch. 4: Cyclic Groups	17 Homework 2 Due at 11:59pm	18 Ch. 5: Permutation Groups	19	20
21 Last Day to Drop with No Academic Record	22	23 Ch. 5: Permutation Groups	24 Homework 3 Due at 11:59pm	25 Ch. 6: Isomorphisms/ Homomorphisms	26	27
28	29	30 Ch. 6: Isomorphisms/ Homomorphisms Direct Products (Ch. 8)				

<div> <div>◀ Sep 2025</div> <div>October 2025</div> <div>Nov 2025 ▶</div> </div>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<div>1</div> <div>Homework 4 Due at 11:59pm</div>	<div>2</div> <div>Exam 1</div>	<div>3</div>	<div>4</div>
<div>5</div>	<div>6</div>	<div>7</div> <div>Ch. 7: Cosets and Lagrange's Theorem</div>	<div>8</div> <div>Homework 5 Due at 11:59pm</div>	<div>9</div> <div>Ch. 7: Cosets and Lagrange's Theorem</div> <div>Group Actions and a Proof of Cauchy's Theorem</div>	<div>10</div>	<div>11</div>
<div>12</div>	<div>13</div>	<div>14</div> <div>Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)</div>	<div>15</div> <div>Homework 6 Due at 11:59pm</div>	<div>16</div> <div>Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)</div>	<div>17</div>	<div>18</div>
<div>19</div>	<div>20</div>	<div>21</div> <div>Ch. 10: Group Homomorphisms</div>	<div>22</div> <div>Homework 7 Due at 11:59pm</div>	<div>23</div> <div>Ch. 10: Group Homomorphisms (First Isomorphism Theorem)</div>	<div>24</div>	<div>25</div>
<div>26</div>	<div>27</div>	<div>28</div> <div>Ch. 11: The Fundamental Theorem of Finite Abelian Groups</div>	<div>29</div> <div>Homework 8 Due at 11:59pm</div>	<div>30</div> <div>Ch. 12: Introduction to Rings</div>	<div>31</div> <div>Halloween</div>	

November 2025						
◀ Oct 2025						
Dec 2025 ▶						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 Día de los Muertos
2	3	4 Ch. 12: Introduction to Rings Ch. 13: Integral Domains	5 Homework 9 Due at 11:59pm	6 Exam 2	7	8
9	10	11 Vetrans Day	12 Homework 10 Due at 11:59pm	13 Ch. 13: Integral Domains	14	15
16	17	18 Ch. 14: Ideals and Factor Rings (Quotient Rings)	19 Homework 11 Due at 11:59pm	20 Ch. 14: Ideals and Factor Rings (Quotient Rings) <u>Richard Dedekind and the Creation of an Ideal</u>	21	22
23	24	25 <u>Richard Dedekind and the Creation of an Ideal</u>	26	27 Thanksgiving Holiday	28 Thanksgiving Holiday	29
30						

<div> <div>◀ Nov 2025</div> <div>December 2025</div> <div>Jan 2026 ▶</div> </div>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 Ch. 15: Ring Homomorphisms (First Isomorphism Theorem)	3 Primary Source Project Due at 11:59pm	4 Last Day of Class Ch. 15: Ring Homomorphisms (First Isomorphism Theorem)	5	6
7	8 Homework 12 Due at 11:59pm	9	10	11 Final Exam 4-6PM Commons 206	12	13
14	15	16	17	18 Grades Due	19	20
21	22	23	24	25	26	27
28	29	30	31			