

SEPTEMBER 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	Lecture 1 7 <i>n</i> -dimensional space, visualizing functions, linear transformations	8	9
10	11	Lecture 2 12 determinants, introduction to vectors	13	Lecture 3 14 dot product, cross product	15	16
17	18	Lecture 4 19 lines and planes	20	Lecture 5 21 motion in space; quadric surfaces;	22	23
24	25	Lecture 6 26 polar, cylindrical, spherical coordinates	27	Lecture 7 28 multivariable limits	29	30

OCTOBER 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	Lecture 8 3 partial derivatives, linear approximation	4 Webwork 4 due	Lecture 9 5 Taylor's theorem, multivariable optimization	6 Gradescope 4 due	7
8	9	Lecture 10 10 second derivative test	11 Webwork 5 due	Lecture 11 12 directional derivative and gradient, multivariable chain rule	13 Gradescope 5 due	14
15	16	Lecture 12 17 Review	18	MIDTERM 19	20	21
22	23	Lecture 13 24 Lagrange multipliers	25 Webwork 6 due	Lecture 14 26 double integration	27 Gradescope 6 due	28
29	30	Lecture 15 31 triple integration				

NOVEMBER 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 Webwork 7 due	2 Lecture 16 polar, cylindrical, and spherical integration	3 Gradescope 7 due	4
5	6	7 Lecture 17 integration in custom coordinates	8 Webwork 8 due	9 Lecture 18 applications of integration	10 Gradescope 8 due	11
12	13	14 Lecture 19 vector fields and line integrals; fundamental theorem of vector calculus	15 Webwork 9 due	16 Lecture 20 Green's theorem	17 Gradescope 9 due	18
19	20	21 Lecture 21 surface integrals and flow	22	23 Thanksgiving	24	25
26	27	28 Lecture 22 divergence and curl	29 Webwork 10 due	30 Lecture 23 Gauss' theorem		

DECEMBER 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<i>31</i>					<i>1</i> Gradescope 10 due	<i>2</i>
<i>3</i>	<i>4</i>	<i>Lecture 24</i> <i>5</i> Stokes' theorem	<i>6</i>	<i>Lecture 25</i> <i>7</i> Applications of Gauss' and Stokes' theorems Webwork 11 and Gradescope 11 due	<i>8</i>	<i>9</i>
<i>10</i>	<i>11</i>	<i>Review session</i> <i>12</i> usual classroom location and time	<i>13</i>	<i>14</i>	<i>Review session</i> <i>15</i> 19:00 to 21:00 Location TBA	<i>16</i>
<i>FINAL EXAM</i> <i>17</i> 14:00 to 17:00 Location TBA	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>
<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>	<i>29</i>	<i>30</i>