CARNEGIE UNITS - SEMESTER

Hours Units 8.8 0.5 17.5 1.0 26.3 1.5 35.0 2.0 43.8 2.5 52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0	Lecture		
8.8 0.5 17.5 1.0 26.3 1.5 35.0 2.0 43.8 2.5 52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3<	17.5 hours	= 1 unit	
17.5 1.0 26.3 1.5 35.0 2.0 43.8 2.5 52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315	Hours	Units	
26.3 1.5 35.0 2.0 43.8 2.5 52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0 <td>8.8</td> <td>0.5</td>	8.8	0.5	
35.0 2.0 43.8 2.5 52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	17.5	1.0	
43.8 2.5 52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	26.3	1.5	
52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	35.0	2.0	
52.5 3.0 61.3 3.5 70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	43.8	2.5	
70.0 4.0 78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	52.5	3.0	
78.8 4.5 87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	61.3	3.5	
87.5 5.0 96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	70.0	4.0	
96.3 5.5 105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	78.8	4.5	
105.0 6.0 113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	87.5	5.0	
113.8 6.5 122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	96.3	5.5	
122.5 7.0 131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	105.0	6.0	
131.3 7.5 140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	113.8	6.5	
140.0 8.0 148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	122.5	7.0	
148.8 8.5 157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	131.3	7.5	
157.5 9.0 166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	140.0	8.0	
166.3 9.5 175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	148.8	8.5	
175.0 10.0 183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	157.5	9.0	
183.8 10.5 192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	166.3	9.5	
192.5 11.0 201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	175.0	10.0	
201.3 11.5 210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	183.8	10.5	
210.0 12.0 218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	192.5	11.0	
218.8 12.5 227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	201.3	11.5	
227.5 13.0 236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	210.0	12.0	
236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	218.8	12.5	
236.3 13.5 245.0 14.0 253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	227.5	13.0	
253.8 14.5 262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0			
262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	245.0		
262.5 15.0 271.3 15.5 280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	253.8	14.5	
280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	262.5	15.0	
280.0 16.0 288.8 16.5 297.5 17.0 306.3 17.5 315.0 18.0	271.3	15.5	
297.5 17.0 306.3 17.5 315.0 18.0	280.0		
306.3 17.5 315.0 18.0	288.8		
315.0 18.0	297.5		
315.0 18.0	306.3	17.5	
323.8 18.5			
	323.8	18.5	

52.5 hours Units Hours Units 26.3 0.50 52.5 1.00 78.8 1.50 105.0 2.00 131.3 2.50 157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 787.5 15.00 813.8 15.50 8	Lab		
26.3 0.50 52.5 1.00 78.8 1.50 105.0 2.00 131.3 2.50 157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 </th <th>52.5 hour</th> <th>s = 1 unit</th>	52.5 hour	s = 1 unit	
52.5 1.00 78.8 1.50 105.0 2.00 131.3 2.50 157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	Hours	Units	
78.8 1.50 105.0 2.00 131.3 2.50 157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	26.3	0.50	
105.0 2.00 131.3 2.50 157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	52.5	1.00	
131.3 2.50 157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	78.8	1.50	
157.5 3.00 183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	105.0	2.00	
183.8 3.50 210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	131.3	2.50	
210.0 4.00 236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	157.5	3.00	
236.3 4.50 262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	183.8	3.50	
262.5 5.00 288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	210.0	4.00	
288.8 5.50 315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	236.3	4.50	
315.0 6.00 341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	262.5	5.00	
341.3 6.50 367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	288.8	5.50	
367.5 7.00 393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	315.0	6.00	
393.8 7.50 420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	341.3	6.50	
420.0 8.00 446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	367.5	7.00	
446.3 8.50 472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	393.8	7.50	
472.5 9.00 498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	420.0	8.00	
498.8 9.50 525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	446.3	8.50	
525.0 10.00 551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	472.5	9.00	
551.3 10.50 577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	498.8	9.50	
577.5 11.00 603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	525.0	10.00	
603.8 11.50 630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	551.3	10.50	
630.0 12.00 656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	577.5	11.00	
656.3 12.50 682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	603.8	11.50	
682.5 13.00 708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	630.0	12.00	
708.8 13.50 735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	656.3	12.50	
735.0 14.00 761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	682.5	13.00	
761.3 14.50 787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	708.8	13.50	
787.5 15.00 813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	735.0	14.00	
813.8 15.50 840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	761.3	14.50	
840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	787.5	15.00	
840.0 16.00 866.3 16.50 892.5 17.00 918.8 17.50	813.8	15.50	
892.5 17.00 918.8 17.50	840.0		
918.8 17.50	866.3	16.50	
	892.5	17.00	
	918.8	17.50	
	945.0	18.00	
971.3 18.50	971.3	18.50	

Hours Units 9 0.5 18 1.0 27 1.5 36 2.0 45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.5 288 16.0 297 16.5 306<	Lecture		
9 0.5 18 1.0 27 1.5 36 2.0 45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 314 18.0	18 hours	= 1 unit	
18 1.0 27 1.5 36 2.0 45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	Hours	Units	
27 1.5 36 2.0 45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	9	0.5	
27 1.5 36 2.0 45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	18	1.0	
45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	27	1.5	
45 2.5 54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	36	2.0	
54 3.0 63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	45	2.5	
63 3.5 72 4.0 81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	54	3.0	
81 4.5 90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	63	3.5	
90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	72	4.0	
90 5.0 99 5.5 108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	81	4.5	
108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	90		
108 6.0 117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	99		
117 6.5 126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0			
126 7.0 135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	117		
135 7.5 144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	126	7.0	
144 8.0 153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	135	7.5	
153 8.5 162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	144	8.0	
162 9.0 171 9.5 180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	153	8.5	
180 10.0 189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	162	9.0	
189 10.5 198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	171	9.5	
198 11.0 207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	180	10.0	
207 11.5 216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	189	10.5	
216 12.0 225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	198		
225 12.5 234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	207	11.5	
234 13.0 243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	216	12.0	
243 13.5 252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	225	12.5	
252 14.0 261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	234	13.0	
261 14.5 270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	243	13.5	
270 15.0 279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	252		
279 15.5 288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	261	14.5	
288 16.0 297 16.5 306 17.0 315 17.5 324 18.0	270	15.0	
297 16.5 306 17.0 315 17.5 324 18.0	279	15.5	
306 17.0 315 17.5 324 18.0	288	16.0	
315 17.5 324 18.0	297	16.5	
324 18.0		17.0	
	315	17.5	
333 18.5	324	18.0	
	333	18.5	

Lab		
54 hours	= 1 unit	
Hours	Units	
27	0.5	
54	1.0	
81	1.5	
108	2.0	
135	2.5	
162	3.0	
189	3.5	
216	4.0	
243	4.5	
270	5.0 5.5	
297	5.5	
324	6.0	
351	6.5	
378	7.0	
405	7.5	
432	8.0	
459	8.5	
486	9.0	
513	9.5	
540	10.0	
567	10.5	
594	11.0	
621	11.5	
648	12.0	
675	12.5	
702	13.0	
729	13.5	
756	14.0	
783	14.5	
810	15.0	
837	15.5	
864	16.0	
891	16.5	
918	17.0	
945	17.5	
972	18.0	
999	18.5	

CARNEGIE UNITS - SEMESTER

Lecture		
16 hours	= 1 unit	
Hours	Units	
8	0.5	
16	1.0	
24	1.5	
32	2.0	
40	2.5	
48	3.0	
56	3.5	
64	4.0	
72	4.5	
80	5.0	
88	5.5	
96	6.0	
104	6.5	
112	7.0	
120	7.5	
128	8.0	
136	8.5	
144	9.0	
152	9.5	
160	10.0	
168	10.5	
176	11.0	
184	11.5	
192	12.0	
200	12.5	
208	13.0	
216	13.5	
224	14.0	
232	14.5	
240	15.0	
248	15.5	
256	16.0	
264	16.5	
272	17.0	
280	17.5	
288	18.0	
296	18.5	

48 hours	= 1 unit
Hours	Units
24	0.5
48	1.0
72	1.5
96	2.0
120	2.5
144	3.0
168	3.5
192	4.0
216	4.5
240	5.0
264	5.5
288	6.0
312	6.5
336	7.0
360	7.5
384	8.0
408	8.5
432	9.0
456	9.5
480	10.0
504	10.5
528	11.0
552	11.5
576	12.0
600	12.5
624	13.0
648	13.5
672	14.0
696	14.5
720	15.0
744	15.5
768	16.0
792	16.5
816	17.0
840	17.5
864	18.0
888	18.5

Lecture		
17 hours	= 1 unit	
Hours	Units	
8.5	0.5	
17	1.0	
25.5	1.5	
34	2.0	
42.5	2.5	
51	3.0	
59.5	3.5	
68	4.0	
76.5	4.5	
85	5.0	
93.5	5.5	
102	6.0	
110.5	6.5	
119	7.0	
127.5	7.5	
136	8.0	
144.5	8.5	
153	9.0	
161.5	9.5	
170	10.0	
178.5	10.5	
187	11.0	
195.5	11.5	
204	12.0	
212.5	12.5	
221	13.0	
229.5	13.5	
238	14.0	
246.5	14.5	
255	15.0	
263.5	15.5	
272	16.0	
280.5	16.5	
289	17.0	
297.5	17.5	
306	18.0	
314.5	18.5	

Lab	
51 hours	= 1 unit
Hours	Units
25.5	0.5
51	1.0
76.5	1.5
102	2.0
127.5	2.5
153	3.0
178.5	3.5
204	4.0
229.5	4.5
255	5.0
280.5	5.5
306	6.0
331.5	6.5
357	7.0
382.5	7.5
408	8.0
433.5	8.5
459	9.0
484.5	9.5
510	10.0
535.5	10.5
561	11.0
586.5	11.5
612	12.0
637.5	12.5
663	13.0
688.5	13.5
714	14.0
739.5	14.5
765	15.0
790.5	15.5
816	16.0
841.5	16.5
867	17.0
892.5	17.5
918	18.0
943.5	18.5

CARNEGIE UNITS - QUARTER

Lecture		
11 hours	= 1 unit	
Hours	Units	
5.5	0.5	
11	1.0	
16.5	1.5 2.0	
22	2.0	
27.5	2.5	
33	3.0	
38.5	3.5	
44	4.0	
49.5	4.5	
55	5.0	
60.5	5.5	
66	6.0	
71.5	6.5	
77	7.0	
82.5	7.5	
88	8.0	
93.5	8.5	
99	9.0	
104.5	9.5	
110	10.0	
115.5	10.5	
121	11.0	
126.5	11.5	
132	12.0	
137.5	12.5	
143	13.0	
148.5	13.5	
154	14.0	
159.5	14.5	
165	15.0	
170.5	15.5	
176	16.0	
181.5	16.5	
187	17.0	
192.5	17.5	
198	18.0	

Lab		
33 hours		
Hours	Units	
16.5	0.5	
33	1.0	
49.5	1.5	
66	1.5 2.0 2.5	
82.5	2.5	
99	3.0	
115.5	3.5	
132	4.0	
148.5	4.5	
165	5.0	
181.5	5.5	
198	6.0	
214.5	6.5	
231	7.0	
247.5	7.5	
264	8.0	
280.5	8.5	
297	9.0	
313.5	9.5	
330	10.0	
346.5	10.5	
363	11.0	
379.5	11.5	
396	12.0	
412.5	12.5	
429	13.0	
445.5	13.5	
462	14.0	
478.5	14.5	
495	15.0	
511.5	15.5	
528	16.0	
544.5	16.5	
561	17.0	
577.5	17.5	
594	18.0	

Hours Units 6 0.500 12 1.000 18 1.500 24 2.000 30 2.500 36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 72 6.000 78 6.500 84 7.000 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 151 13.000 162 13.500 163 14.000 174 14.500 186 15.500 192 16.000 198 16.500 204 17.000 216 <th colspan="3">Lecture</th>	Lecture		
6 0.500 12 1.000 18 1.500 24 2.000 30 2.500 36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 133 11.500 144 12.000 150 12.500 156 13.000 162 13.500 163 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	12 hours	= 1 unit	
12 1.000 18 1.500 24 2.000 30 2.500 36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	Hours	Units	
18 1.500 24 2.000 30 2.500 36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 133 11.500 144 12.000 150 12.500 156 13.000 162 13.500 163 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	6	0.500	
24 2.000 30 2.500 36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 133 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	12	1.000	
30 2.500 36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 198 16.500 204 17.000 210 17.500	18	1.500	
36 3.000 42 3.500 48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 192 16.000 198 16.500 204 17.000 210 17.500	24	2.000	
42 3.500 48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 163 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	30	2.500	
48 4.000 54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 163 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	36	3.000	
54 4.500 60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 163 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	42	3.500	
60 5.000 66 5.500 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	48	4.000	
66 5.500 72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	54	4.500	
72 6.000 78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	60	5.000	
78 6.500 84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	66	5.500	
84 7.000 90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	72	6.000	
90 7.500 96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	78	6.500	
96 8.000 102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.500 192 16.000 198 16.500 204 17.000 210 17.500	84	7.000	
102 8.500 108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	90	7.500	
108 9.000 114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	96	8.000	
114 9.500 120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	102	8.500	
120 10.000 126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 192 16.000 198 16.500 204 17.000 210 17.500	108	9.000	
126 10.500 132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 192 16.000 198 16.500 204 17.000 210 17.500	114	9.500	
132 11.000 138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	120	10.000	
138 11.500 144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 192 16.000 198 16.500 204 17.000 210 17.500	126	10.500	
144 12.000 150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	132	11.000	
150 12.500 156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	138	11.500	
156 13.000 162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	144	12.000	
162 13.500 168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	150	12.500	
168 14.000 174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	156	13.000	
174 14.500 180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	162	13.500	
180 15.000 186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	168	14.000	
186 15.500 192 16.000 198 16.500 204 17.000 210 17.500	174	14.500	
192 16.000 198 16.500 204 17.000 210 17.500	180	15.000	
198 16.500 204 17.000 210 17.500	186	15.500	
204 17.000 210 17.500	192	16.000	
210 17.500	198	16.500	
	204	17.000	
216 18.000	210	17.500	
	216	18.000	

Lab		
36 hours	= 1 unit	
Hours	Units	
18	0.5	
36	1.0	
54	1.5	
54 72	2.0	
90	2.5	
108	3.0 3.5 4.0	
126	3.5	
144	4.0	
162	4.5	
180	5.0	
198	5.5	
216	6.0	
234	6.5	
234 252 270	7.0 7.5	
270	7.5	
288	8.0	
306	8.5	
324	9.0	
342	9.5	
360	10.0	
378	10.5	
396	11.0	
414	11.5	
432	12.0	
450	12.5	
468	13.0	
486	13.5	
504	14.0	
522	14.5	
540	15.0	
558	15.5	
576	16.0	
594	16.5	
612	17.0	
630	17.5	
648	18.0	

Regulations for the California Community College Credit Hour (Unit)

Title 5 - § 55002.5 (a) - Credit Hour

One credit hour of community college work (one unit of credit) requires a minimum of 48 hours of lecture, study, or laboratory work at colleges operating on the semester system or 33 hours of lecture, study, or laboratory work at colleges operating on the quarter system.

Program and Course Approval Handbook (PCAH), 5th Edition, September 2013, page 80

"In practice, the number of hours varies among institutions, but is generally within the range of 48-54 hours per unit for colleges on the semester system. For each hour of lecture required, it is assumed that students will be required to spend an additional two hours of study outside of class. The number of units awarded for laboratory courses is generally based on the number of hours of laboratory."

Title 5 - § 55002.5 - Unit size

- (c) The amount of credit awarded shall be adjusted in proportion to the number of hours of lecture, study, or laboratory work in half unit increments.
- (d) A district may elect to adjust the amount of credit awarded in proportion to the number of hours of lecture, study, or laboratory in increments of less than one half unit.

PCAH - Homework for laboratory classes, page 81

"The college may award one unit of lab credit for only two hours per week of hands-on instruction/activity as long as the instructor assigns one hour per week of out-of class study. There is no prohibition against this practice; however, it must be used with caution, particularly in regard to transferrable laboratory classes."

Title 5 - § 58050 (a) - Conditions for Claiming Attendance

The following conditions must be met in order for attendance of students enrolled in a course to qualify for state apportionment: (6) The students must be under the immediate supervision of an employee of the district; unless otherwise provided by law. (7) The employee of the district must hold valid and unrevoked credentials or be employed pursuant to minimum qualifications adopted by the Board of Governors or equivalencies pursuant to section 53430 authorizing the employee to render service in the capacity and during the period in which the employee served.

Title 5 - § 58051 (a)(1) - Method for Computing Full-Time Equivalent Student (FTES)

Except as otherwise provided, in computing the full-time equivalent student of a community college district, there shall be included only the attendance of students while they are engaged in educational activities required of students and while they are under the immediate supervision and control of an academic employee of the district authorized to render service in the capacity and during the period in which he or she served.

Note: Students can be awarded unit credit for homework; however, homework hours are not eligible for apportionment.

- 1) Select the appropriate chart reflecting the term used by your college, whether semester or quarter.
- 2) Select the appropriate hour/unit conversion used by your college or program (16/48, 17/51, 17.5/52.5, 18/54, 11/33, or 12/36.
- 3) Calculate the appropriate units for lecture and/or laboratory. The tables are organized in one-half unit increments. Colleges can use smaller increments if approved by their local Board of Trustees.
- 4) Units increase when the next increment is reached. For example on the 18/54 table, lecture units are calculated as 1/2 unit between 9 hours and 17.5 hours; and as one unit between 18 hours and 26.5 hours.
- 5) Work Experience units are not calculated using this chart. WEX units are awarded based on the number of paid (75 hours = one semester unit) or unpaid hours (60 hours = one semester unit)

 Title 5 § 55256.5 Work Experience Credit
- 6) These are the only permitted methods and formulas for calculating units in the California Community Colleges. There are allowable locally derived formulas or exceptions for specific disciplines.