

Appendix A. Curriculum matrix for BSCI422 (Immunology lecture)

Question	Concepts	Assumed prior knowledge	Level of coverage (0=not at all; 1=briefly; 2=moderately; 3=detailed)	Percentage of correct responses (Spring 2009)	
				Pre	Post
1	12	No	3	54.8	67.7
2	3, 4, 10	Yes	0	16.1	22.6
3	2, 3	Yes	0	67.7	74.2
4	3, 4, 10	Yes	0	93.5	93.5
5	6	Yes	1/2	77.4	71.0
6	13	No	2/3	74.2	58.1
7	10	Yes	0	80.6	83.9
8	12	No	3	29.0	54.8
9	7, 1, 12	No	3	64.5	83.9
10	4, 5, 9, 12	Yes	2/1	80.6	87.1
11	8	Yes	1/0	38.7	45.2
12	3	Yes	1/0	74.2	67.7
13	7, 9	Yes	0	67.7	51.6
14	10	Yes	0	19.4	35.5
15	13	No/yes	3	77.4	77.4
16	9, 10	Yes	0	19.4	12.9