

PHYS 3311 - MATH METHODS IN PHYSICS I  
SUGGESTED PROBLEMS

Chapter	Problems
Chpt 1	1.2, 1.13, 2.2, 2.4, 2.7, 2.9, 4.2, 4.4, 4.6, 5.1, 5.3, 5.6, 5.8, 6.2, 6.5, 6.7, 6.15, 6.18, 6.20, 6.32, 7.1, 7.3, 7.5, 7.9, 7.10, 9.5, 9.14, 10.1, 10.3, 10.5, 13.1, 13.5, 13.7, 13.10, 13.20, 13.27, 13.30, 13.39, 13.41, 13.44, 14.4, 14.6, 15.14, 15.24(a),(c), 15.28, 15.30
Chpt 2	4.3, 4.14, 4.18, 5.19, 5.20, 5.23, 5.30, 5.35, 5.43, 5.46, 5.53, 5.58, 5.68, 6.3, 6.4, 7.1, 7.10, 9.2, 9.10, 9.38, 10.2, 10.18, 11.3, 11.6, 12.1, 12.24, 14.2, 14.18, 15.3, 16.6, 16.8
Chpt 3	2.7, 2.9, 2.17, 3.1, 3.4, 3.9, 3.15, 4.10, 4.12, 4.18, 4.22, 5.4, 5.14, 6.2, 6.6, 6.13, 6.15, 6.18, 6.19, 6.22, 7.1, 7.12, 8.5, 8.8, 8.10, 9.8, 9.20, 10.4, 10.5, 11.9, 11.12, 11.15, 11.41, 12.14, 13.1, 13.20, 13.21, 14.6, 14.8
Chpt 4	1.1, 1.4, 1.6, 1.7, 1.8, 1.9, 2.6, 3.1, 4.1, 4.6, 5.1, 5.5, 6.2, 6.5, 7.2, 7.4, 7.7, 7.15, 7.23, 8.1, 8.4, 9.1, 9.5, 10.2, 10.14, 11.3, 12.1, 12.8
Chpt 5	1.1, 1.2, 2.1, 2.3, 2.7, 2.11, 2.19, 2.29, 2.37, 2.47, 3.3, 3.17, 3.18, 3.19, 3.20, 4.14, 4.16, 4.24, 5.1, 5.3
Chpt 6	3.3, 3.9, 3.16, 3.17, 4.5, 4.8, 6.2, 6.4, 6.10, 7.1, 7.11, 7.14, 7.19, 7.20, 8.1, 8.8, 8.20, 9.6, 9.7, 10.1, 10.5, 10.11, 10.14, 11.2, 11.12, 11.18, 11.21