

Text: **Elementary Linear Algebra** by B. Kolman and D. Hill, 9<sup>th</sup> Edition, Prentice Hall, 2007.

Lab Manual: **Linear Algebra labs with Matlab** by D. Hill and D. Zitarelli, 3<sup>rd</sup> Edition, Prentice Hall, 2004.

| Lesson | Section | Assignment                             | Matlab Assignment* |
|--------|---------|--|--------------------|
| 1      | 1.1     | p8: 1,2,4,5,15,22                      |                    |
|        | 1.2     | p19: 4,9                               | 1.1: 1-4           |
| 2      | 1.3,1.4 | p30: 11,15,18,19,28;p40:3,12,15,22     | 3.1: 1,2           |
| 3      | 1.5,2.1 | p52: 15,24; p94: 1,3,11(b)             |                    |
| 4      | 2.2     | p113: 6,7,8,12,14,24,26                | 4.2: 2, 4.3: 1,2   |
| 5      | 2.3     | p124: 7,8,9,17(a),18(a),19             |                    |
| 6      | 3.1,3.2 | p145: 3,5; p154:2,3,5,14,15,17         |                    |
| 7      | 3.2,3.3 | p154: 23,25;p164:4(a)(b),6             | 8.1: 5             |
| 8      | 3.4,3.5 | p169: 2,4; p172: 1,3                   |                    |
| 9      | 4.1,    | p187: 2,5,7,12,14,16,17                |                    |
| 10     | 4.2,4.3 | p196: 2,8,9,10,12;p205:2,4,6,10        |                    |
| 11     | 4.3     | p205: 17,19,28,33(a) (b)               | 6.1: 2,4           |
| 12     | 4.4     | p215: 3(a)(b), 4(a)(b),5,6,12          |                    |
| 13     | 4.5     | p226: 4,11,12,16                       | 6.2: 1, 6.3: 1     |
| 14     | 4.6     | p242: 2,3,8,11                         |                    |
| 15     | 4.6     | p242: 14,15,16,17,19(a) (b)            | 6.4: 1             |
| 16     | 4.7     | p251: 2,5,7,12                         |                    |
| 17     | 4.9     | p282: 1,3,6,7,9                        | 6.4: 2             |
| 18     | 4.9     | p282: 12(b),14(b),16(b),22(b),34,35,36 |                    |
| 19     | 5.1     | p297: 2,6,8,10,18,25,26                |                    |
| 20     | 5.3     | p317: 8,29,34                          | 9.1: 1 9.2: 2      |
| 21     | 5.4     | p329: 1,3,10,11,14                     | 10.3: 1,2          |
| 22     | 5.5     | p348: 1,3,12(a),14(a),16,20            | 10.2: 1,4          |
| 23     | 5.6     | p356: 3,11,12                          |                    |
| 24     | 6.1     | p372:1,2,11,13,14,19                   |                    |
| 25     | 7.1     | p450: 5,7,17                           | 13.2: 1,5          |
| 26     | 7.2     | p461: 6,8,10,11,13,15,19               |                    |
| 27     | 7.3     | p475: 1,2,8,10                         |                    |
| 28     | 7.3     | p475: 14,19,20                         |                    |
| 29     | B.1     | pA-11: 2(a)(b)(d),7,9                  | 1.2: 1,4,5,6       |
|        | B.2     | pA-20: 1(b),4(b),5(b),11(a)(c)         |                    |
| 30     | 8.4     | p524: 1,2,5,6,7,10                     |                    |
| 31     | 8.4     | Course Web Page # 1-8                  |                    |

\* The required M-files are available from the course web page.