HW 1
1.1: 1, 4, 5, 6, 9, 15, 19, 27, 29, 30, 32, 33, 34

Reading. Required background.
1.2: 1, 2, 4, 5, 6, 7, 9, 10, 13, 15, 16, 18, 21, $22,24,26,29,31,32,33,35,40,41$
1.3: $2,3,5,6,8,10,11,13,14,23,25,26,33$

Exercise 1.3-8 image: http://www.math.utah.edu/~gustafso/exercise1.3-8-EdwardsPenne
$1.4: 2,3,4,6,9,12,13,18,19,20,21$,
22,26 ,
36, 41, 42, 45, 46, 49, 51, 56, 59
HW 2
$1.5: 1,7,8,4 \mathbf{1 0}, 13, \mathbf{1 8}, 20,21,23,24,33$,
$\mathbf{3 4}, 36,39$
EPbvp 3.7: 1, 2, 4, 7 [LC and RC circuits, more after 5.6]
$2.1: 1,3,4,6,8,10,12,46,22,23,33,37$
$2.2: 5,7,8,9,10,11,15,17,18$
$2.3: 2,3,9,10,13,14,17,18,19, \mathbf{2 0}, 22,24,25$
HW 3
2.4: 2, 3, 4, 6, 10, 12, 17 Euler's method
2.5: 3, 4, 5, 6, 10, 12 improved Euler or Heun
2.6: 3, 4, 5, 6, 10, 12 Runge-Kutta

This computer project uses maple/matlab/mathematica, project located at numericalDEproject-S2015.pdf

HW 4
$3.1: 1,4,6,7,8,9,11,12,16,17,19,23,24$, $26,27,28,29,32,33,34$
$3.2: 7,8,9, \mathbf{1 0}, 13,14,15,17,20,21,24,25,29,30$
3.3: 10, 11, 13, 17, 19, 20, 33, 34, 35

HW 5
$3.4: 3,5,7,10,11,13,16,19,21,22,27,30,31,32,33$, $34,35, \mathbf{3 6}, 39,40,44$
$3.5: 5,7,44,17,23,25,46,33,43,44$ or Xc3.5-44a
$3.6: 3,5,6,11,17,20,21,25,29,30,33$, $30,31,37,40,51,53,60$

HW 6
$4.1: 1,7,9,11,15,16,48,20,22,23,25,26,27,32$, 33, 34, 35, 36
4.2: 3, 4, 5, 6, 7, 9, 11, 15, 17, 18, 21, 24, 27,
$\boxed{28}, 29$
$4.3: 1,3,6,8,9,10,11,16,17,18,23,24,25,44$ HW 7
4.5: 6, 9, 15, 19, 23, 24, 28: No lecture, not due.
4.6: 2, 3, 5: No lecture, not due.
$4.7: 7, \boxed{10}, 11, \boxed{12}, 19, \boxed{22}, 25,26$
5.1: $1,6,10,11,12,14,17,18,27,33,34,36,37$, $38,39,40,41,42,43,46,48,53$
$5.2: 1,2,5,8,11,13,16,418,19,20,21,22,23,25,26$ HW 8
$5.3: 3,7,8,9,10,11,41,17,23,27,31,42,37,40$
$5.4: 3,4,5,6,10,11,15,17,19,20,21,33, \mathbf{3 4}$
3.7 EPbvp: 1, $2,4,7,12,15,18$, 19 [electrical circuits]

HW 9
5.5: 2, 3, 5, 6, 10, 11, 12, 19, 21, 22, 25, 27, 29, $31,34,39,43,45,47,51,52,54,57,58,59$
5.6: 3, 4, 5, 7, 8, 9, 11, 13, 15, 17, 18, 20, 21, 22
$10.1: 1,3,7,9,11,13,17,18,19,22,23,27,28,29$, 31, 40

HW 10 does not exist. Spring Break.
No Quiz 10. No Lab 10.
HW 11
$10.2: 3,7,9,10,15,46,17,19,20,21,23$, 24, 35, 37
10.3: 3, 6, 7, 9, 12, 13, 17, 18, 20, 23, 27, 28, $29,30,32,34,37$
$10.4: \boxed{2}, 3,9,13,15,17,22,23,26,27,29,30,36,37$
$10.5: 3,4,7,9,11,13,44,21,42,25,27$, $28,31,33,34,37$

HW 12

EPbvp $7.6: 2,5,6, \boxed{7}, 4,11,42,18,21,22$
[impulses and Laplace]
$6.1: 3,7,9,12,13,15,17,19$,
20, 21, 25, 27, 29, 31, $\mathbf{3 2}, 33,36,37$
6.2: 3, 6, 9, 20, 21, 23, 24, 26, 27, 28, 29, 31, 33, 37

HW 13
$7.1: 1,3,2,5,7,4,11,12,15,17,20,21,24,26$
$7.2: 1,3,7,9,12,13,14,16,23,25$
$7.3: 3,7, \boxed{8}, 11,13,40,21,29,40,31,34,36,39,43$, 45, 49

HW 14
$7.4: 2,3,6,8,9,12,13,14,16,17,18,21,24$
9.1: 3, 4, 5, 7, 8, 11, 15, 17, 18
9.2: $\mathbf{2}, 5,7,9,12,13,17,19,21,22,23,29$

HW 15
$9.3: 5,7,8, \mathbf{9}, \quad 10,11,18,19$
$9.4: 1,3,4,4,9,10,11,13,14$

