

## ECE 301, Suggested Exercises

Week 1:

- Examples 1.1, 1.2, 1.3, 1.4, 1.5,
- Problems 1.1, 1.2, 1.3, 1.8, 1.9(a-b), 1.25, 1.32,

Week 2:

- Examples 1.6, 1.7, 1.10.
- Problems 1.9(c-e), 1.6, 1.10, 1.12, 1.13, 1.14, 1.15, 1.16(a-b), 1.17, 1.19, 1.20.

Week 3:

- Examples 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 2.1, 2.2, 2.3, 2.4, 2.5,
- Problems 1.15, 1.16(a-b), 1.17, 1.19, 1.20, 2.2, 2.3, 2.6, 2.7

Week 4:

- Examples 2.6, 2.7, 2.8, 2.9, 2.10,
- Problems 2.8, 2.10, 2.12, 2.26, 2.27, 2.31,

Week 5:

- Examples 3.1, 3.2 (try to do it reversely, namely, given (3.28), how to find (3.26) efficiently), 3.3, 3.4, 3.5
- Problems 3.1, 3.2, 3.3, 3.5,

Week 6:

- Examples 3.6, 3.7, 3.8, 3.10, 3.11, 3.12, 3.13, 3.17
- Problems 3.26, 3.27, 3.30, 3.34, 3.38 3.39

Weeks 7–9:

- Examples 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.14, 4.15, 4.16, 4.18, 4.19, 4.21, 4.24, 4.25, 4.26, 5.1, 5.2, 5.3, 5.4, 5.5,