

Readings for Week 1: Review of Fundamentals

General:

Introduction to Radar Systems by Merrill Skolnik
pp. 7 - 11

Waveforms:

High-Resolution Radar by Donald Wehner
pp. 133 - 136, 149 - 170

Transmitters:

Microwave Engineering by David Pozar
pp. 615 - 620
Introduction to Radar Systems by Merrill Skolnik
pp. 690 - 694

Antennas:

Introduction to Radar Systems by Merrill Skolnik
pp. 538 - 545
Fundamentals of Applied Electromagnetics by Fawwaz Ulaby
pp. 341 - 359, 378 - 379

Receivers:

Microwave Engineering by David Pozar
pp. 486 - 508

Digitizers:

Introduction to Radar Systems by Merrill Skolnik
pp. 140
Synthetic Aperture Radar by John Curlander and Robert McDonough
pp. 279 - 283