Pavement Analysis & Design:
Importance and functions of various components of pavement structures, concept of wheel loads and tandem axles, ESWL, vehicle damage factors.


Pavement Distress, Evaluation and Strengthening: Causes of Pavement distress, Pavement evaluation, need for overlay, overlay design methods for flexible pavements and rigid pavements, rigid overlays for flexible pavements.

References:
1. Yoder E.J. and Witezak M.W. Principles of pavement design.