1. The Plan
We’ll cover as much material as possible from Chapter 1 through Chapter 7 in Do Carmo’s book “Riemannian Geometry”. Some material from Chapter 7 and Chapter 8 in Boothby’s book “An Introduction to Differentiable Manifolds and Riemannian Geometry” will also be presented. Do Carmo’s book is the required textbook.

2. Required Work The following work is required:
   1) Nicely organized and presented lecture notes.
   2) Homework.
   3) The final exam.

   Homework problems will be assigned during the lectures. Homework and lecture notes will be collected at the end of the quarter.

3. Grading policy Lecture notes 30%, homework 30%, and final exam 40%.