due on Friday, April 14.

by J. E. Marsden and M. J. Hoffman

Additional Reading: “Foundations of Modern Analysis”
by J. Dieudonné

Topics:
- **Chapter 6**: Differentiable Mappings
  - 6.8 Taylor’s Theorem and Higher Derivatives
  - 6.9 Maxima and Minima
- **Chapter 7**: The Inverse and Implicit Function Theorems and Related Topics
  - 7.1 Inverse Function Theorem
  - 7.2 Implicit Function Theorem

Tenth Homework Assignment.

Reading:
- Read Sections 7.1 and 7.2. Read your notes.

Exercises: Problems:
- Page 396: problems: 1, 2, 3, 4
- Page 400: problems: 1, 2, 5
- Page 438: problems: 1, 3, 6