XII. Conformal Maps to Jordan Regions

- 1. Badly Behaved Jordan Curves
- 2. Janiszewski's Lemma
- 3. Proof of JCT
- 4. Caratheodory's Theorem
- 5. Exercises

XIII. Dirichlet Problem

- 1. Perron Process
- 2. Local Barriers
- 3. Another Proof of the Riemann Mapping Theorem
- 4. Exercises

XIV. Riemann Surfaces

- 1. Analytic Continuation
- 2. Monodromy
- 3. Riemann Surface Definition
- 4. Simply Connected Covering Surface
- 5. Deck Transformations
- 6. Exercises

XV. The Uniformization Theorem

- 1. Lindelöf's Maximum Principle
- 2. Green's Function
- 3. Dipole Green's Function
- 4. Simply Connected with Green
- 5. Simply Connected without Green
- 6. Classification of All Riemann Surfaces
- 7. Exercises

XVI. Elliptic Functions

1.

XVII. Fuchsian Groups

1. Convergence Type and Blaschke Products

2. Hyperbolic Geometry on $\mathbb D$

XVIII. Six Definitions of Analyticity (will go between VI and VII)

- 1. Morera and Cauchy
- 2. Goursat
- 3. Weyl
- 4. Exercises