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Walter Rudin, Real and Complex Analysis (3rd Ed.); McGraw-Hill. For a point of view based in formal and convergent power series (convenient for locally computing composition inverses and solutions of differential equations) you can consult Henri Cartan, Elementary Theory of Analytic Functions of One and Several Complex Variables; Addison-Wesley

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(3) L. Alhfors, Complex Analysis: an Introduction to the Theory of Analytic Functions of One Complex Variable (ISBN 0-07-000657-1). This is a classic textbook, which contains much more material than included in the course and the treatment is fairly advanced. (4) S. Krantz and R. Greene, Function Theory of One Complex Variable (ISBN 0-82-183962-4).

#### **Lectures on Complex Analysis M. Pollicott - Warwick Insite**

This book is intended as a textbook for a first course in the theory of functions of one complex variable for students who are mathematically mature enough to understand and execute E - 8 arguments. The actual pre requisites for reading this book are quite minimal; not much more than a

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