Al-Nahrain University   Subject: Complex Analysis
College of Science   Year: Second year / 2nd semester
Department of Physics

Week	Topic Details
1	Complex numbers (properties and identities)
2	Denoivrest theorem and n^{th} roots
3	Elementary functions
4	Elementary functions
5	Derivatives
6	Analytic functions
7	Harmonic functions
8	C-R differential equations
9	Integrals
10	Complex Integrals (Line Integrals)
11	Cauchy's Integral
12	Residues
13	Series (multiplication, addition …etc.)
14	Taylor series and Laurent's series, Singularities

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