



Real analysis 1

Course Number	Course	Prerequisite	Credit hours
0301311	Real analysis 1	0301151	3

Properties of real numbers, upper and lower bounds of a set, the completeness property of real numbers, density theorem, Nested sets, Open and closed Sets Dense Set, Sequence and subsequences, Bolzano - Weierstrass theorem, Cauchy sequences, limit and Continuity of real functions, Uniform Continuous, differentiability, Rolle's theorem, Mean value theorem, L' Hopital rule, Taylor theorem.