

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	ADVANCED CALCULUS
Course number	MATH3331
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Contents

- 1 - Systematic development of partial differentiation, multiple and improper integrals, coordinate transformations, inverse and implicit function theorems, and integrals over curves and surfaces.

Books and References

Other References (Periodical, web sites, etc.)	1- Advanced Calculus, by David Widder, Prentice-Hall Inc., 1947. 2- Advanced Calculus, by Taylor and Mann, John Wiley, 1983. 3- Advanced Calculus, by John Olmsted, Prentice-Hall Inc, 1961. 4- Advanced Calculus, by Wilfred Kaplan, Addison-Wesley Inc., fifth edition.
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