

1. Course title and code. M-106(Integral Calculus)
2. Section: 21805
3. Year and semester to which this report applies. First Semester 1430/1431

Coverage of Planned Program

Topics	Planned Contact Hours	Actual Contact Hours
Anti-Derivatives. Sum & sigma notations. Definite Integrals, Fundamental theorem of Calculus	8	8
Integration by substitution, Numerical integration, The natural logarithms as integral	5	5
Integration by parts. Trigonometric Techniques of integration, Integration of Rational functions(Partial Fractions)	6	6
Integrations by Completing the squares & improper integrals	3	3
Area between curves, Volume(Disk, Washer and methods).	3	3
Cylindrical shell method	3	3
Arc length & surface Area	2	2
Plane Curves (Parametric equations).Arc length & surface area	5	5
Polar coordinate, polar equation, & calculus	5	5

الكتاب المقرر:

Book: Calculus by Smith &Minton(Third Edition)

MID TERM EXAMS:

Second Mid Term Exam: 16/1/1431
[14th Dec,2009]

Time: 7-to-8.30pm[Saturday]

مواعيد الاختبارات الشهرية:

First Mid Term Exam: (26/11/1430)
[2nd Jan,2010]

Time:7-to-8.30pm[Saturday]