COURSE DETAIL

DIFFERENTIAL FORMS
Country Ireland
Host Institution University of Galway
Program(s) University of Galway
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 104
UCEAP Course Suffix
UCEAP Official Title DIFFERENTIAL FORMS
UCEAP Transcript Title DIFFERENTIAL FORMS
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
The course explains Stokes' formula. The formula is best explained using the differential forms language of Élie Cartan. The course covers the case p=0 (8 lectures), the case p=1 (8 lectures), the case p= 2 (8 lectures), and explains how Stokes' formula can be applied to the usual problems of multivariate calculus, financial mathematics, and electromagnetism.

Language(s) of Instruction
English

Host Institution Course Number
MA2286

Host Institution Course Title
DIFFERENTIAL FORMS

Host Institution Course Details
http://www.maths.nuigalway.ie/~mstudies/MA2286/index.shtml

Host Institution Campus
NUI Galway

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2018-2019

Print