COURSE DETAILS
Course Code: F18XR
Full Course Title: Mathematics 3
SCQF Level: 8
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL
Undergraduate: Yes  Postgraduate Taught: No  Postgraduate Research: No
Additional Information:

COURSE AIMS
Investigate the linear problems

LEARNING OUTCOMES – SUBJECT MASTERY
The basic definition and nature of determinant and matrix
Calculate the value of the determinant
The theory of linear equations
Vector operation
Basic concepts and theories of quadratic standard and positive definite quadratic forms
Ability to perform determinant calculations, solve linear equations, etc. with the help of Matlab and other computer software

LEARNING OUTCOMES – PERSONAL ABILITIES

SYLLABUS
Basic concepts, theories and methods of Linear Algebra
Determinant
Matrix
F18XR Mathematics 3

Linear equations

Vector space and linear transformation

Diagonalization of eigenvalues and eigenvector matrices

Secondary type

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<th>COURSE RELATIONSHIPS</th>
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