COURSE DETAILS
Course Code: F17XP
Full Course Title: Mathematics 2
SCQF Level: 7
SCAF Credits: 15
Available as Elective: No

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

COURSE AIMS
To reinforce fundamental principles of mathematics and to lay the foundation for further acquisition of mathematical knowledge

LEARNING OUTCOMES – SUBJECT MASTERY
Understanding the basic concept, theory and developing calculus skills
Further mastering the theory of multivariate calculus, infinite series and field theory
Ability to using calculus
Preparing for further courses

LEARNING OUTCOMES – PERSONAL ABILITIES
Understanding the differences and connections between basic concepts
Ability to take a global view of analyzing issues and solve problems with learned knowledge
Awareness of using mathematics
Ability of abstract, logical reasoning, spatial imagination computing power and self-learning

SYLLABUS
Limits and continuity
F17XP Mathematics 2

Derivative and its applications

Univariate function integral theory

Differential equations

Analytic geometry

Infinite series

Multivariate function calculus

Multivariate function integral theory

Integral of vector function

COURSE RELATIONSHIPS

N/A

LOCATION AND ASSESSMENT METHODS

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