COURSE DETAIL

DISCRETE MATHEMATICS

Country
Spain

Host Institution
Carlos III University of Madrid

Program(s)
Carlos III University of Madrid

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
102

UCEAP Course Suffix
E

UCEAP Official Title
DISCRETE MATHEMATICS

UCEAP Transcript Title
DISCRETE MATH

UCEAP Quarter Units
5.00

UCEAP Semester Units

3.30

Course Description
This course offers an introduction to discrete mathematics and its applications to computer science. Topics include set theory, binary relations, lattices, elementary counting techniques, recurrence, linear recurrence equations, the generating function and its relevance in combinatorics and recurrence problems, graph theory, modeling, algorithms, ordering and enumerations problems, equivalence relations. Previous coursework in calculus and algebra is required.

Language(s) of Instruction
English

Host Institution Course Number
15971

Host Institution Course Title
MATEMÁTICA DISCRETA

Host Institution Course Details

Host Institution Campus
Escuela Politécnica Superior. (Leganés)

Host Institution Faculty

Host Institution Degree

Host Institution Department
Ciencia e Ingeniería de Materiales e Ingenieria Química

Course Last Reviewed

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