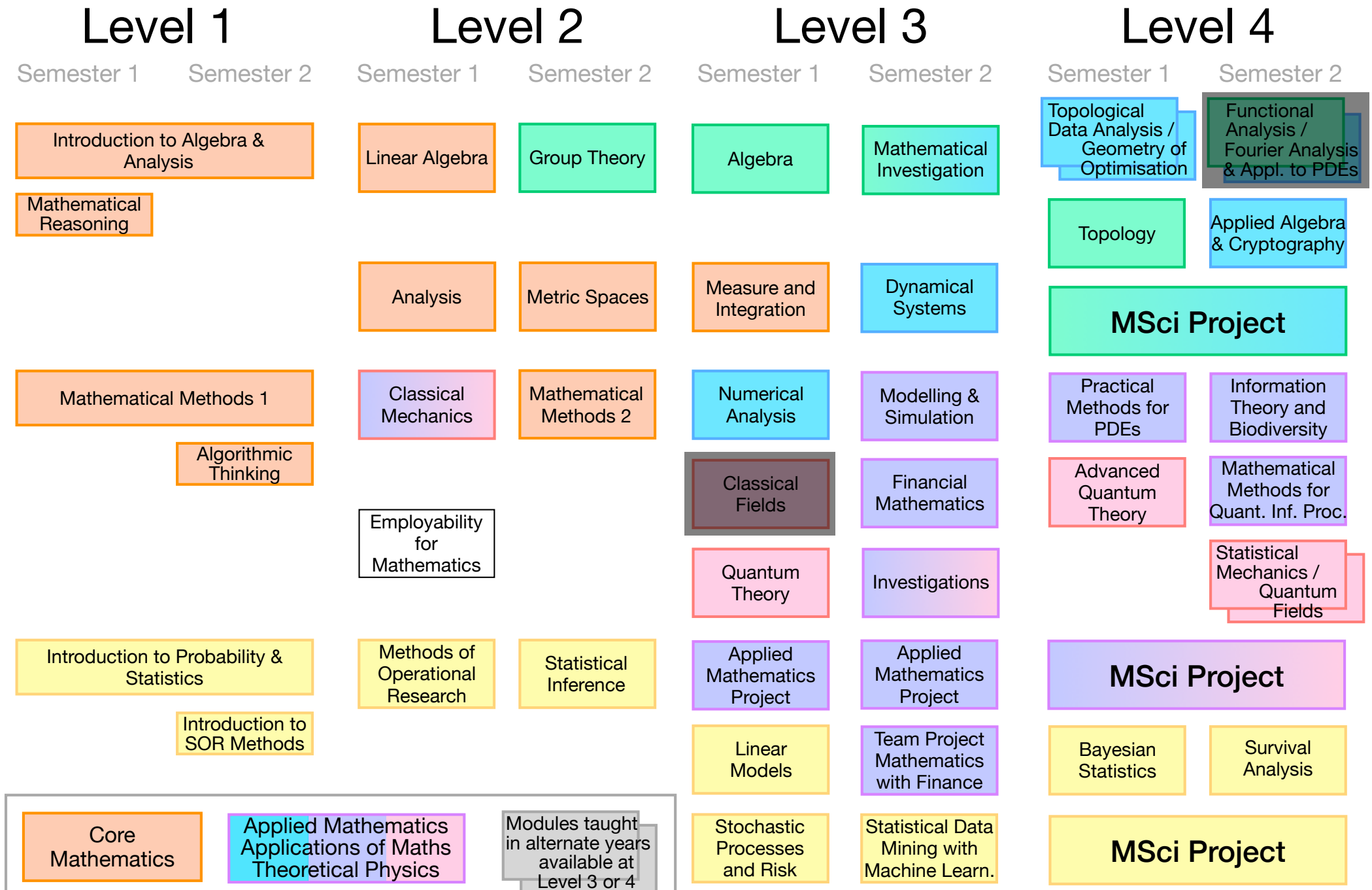
Level 1
Level 2
Level 3
Level 4
Semester 1
Semester 2
Semester 1
Semester 2
Semester 1
Semester 2
Semester 1
Semester 2
Introduction to Algebra & Analysis
Mathematical Reasoning
Linear Algebra
Group Theory
Algebra
Mathematical Investigation
Topological Data Analysis / Geometry of Optimisation
Functional Analysis / Fourier Analysis & Appl. to PDEs
Topology
Applied Algebra & Cryptography
Analysis
Metric Spaces
Measure and Integration
Dynamical Systems
MSci Project
Mathematical Methods 1
Algorithmic Thinking
Classical Mechanics
Mathematical Methods 2
Numerical Analysis
Modelling & Simulation
Practical Methods for PDEs
Information Theory and Biodiversity
Classical Fields
Financial Mathematics
Advanced Quantum Theory
Mathematical Methods for Quant. Inf. Proc.
Employability for Mathematics
Quantum Theory
Investigations
Statistical Mechanics / Quantum Fields
Introduction to Probability & Statistics
Introduction to SOR Methods
Methods of Operational Research
Statistical Inference
Applied Mathematics Project
Applied Mathematics Project
MSci Project
Linear Models
Team Project Mathematics with Finance
Bayesian Statistics
Survival Analysis
Stochastic Processes and Risk
Statistical Data Mining with Machine Learn.
MSci Project
Core Mathematics
Applied Mathematics Applications of Maths Theoretical Physics
Modules taught in alternate years available at Level 3 or 4
Pure Mathematics
Statistics & Operational Research
0 CATS module
Note: not all core mathematics modules are compulsory on some programmes.
In 2025-26 alternate Level 3/Level 4 modules are Topological Data Analysis (S1), and Statistical Mechanics (S2); Classical Fields (S1) and Functional Analysis (S2) are suspended.