Advanced Higher Mathematics

Course content and teaching order

1. (M 1.1) Partial Fractions
2. (A 1.1)Binomial Theorem
3. (A 1.1) Complex Numbers Part 1
4. (M 1.2) Differential Calculus Part 1
5. (M 1.2) Differentiation Calculus Part 2
6. (M 1.3) Integration Part 1
7. (M 1.3) Integration Part 2
8. (G 1.1) Matrix Algebra
9. (M 1.4) Differential Equations
10. (M 1.4) Further Differential Equations
11. (G 1.3) Complex Numbers Part 2
12. (G 1.4) Euclidean Algorithm
13. (A 1.4) Properties of Functions
14. (A 1.5) Rectilinear Motion
15. (A 1.2) Sequences and Series
16. (G 1.5 & A 1.3) Number Theory and Proof
17. (A 1.2) Maclaurin expansion
18. (G 1.2) Vectors