

Introducing Pure Mathematics by Robert Smedley and Garry Wiseman

Cambridge International Examinations Syllabus Grid

Unit P1: Pure Mathematics 1 (Paper 1)

FPM = Further Pure Mathematics

Topic	Pages	Notes
1 Quadratics	1–44	
2 Functions	79, 88–93, 101–113	
3 Coordinate Geometry	131–147, 150	
4 Circular measure	68–72	
5 Trigonometry	45–48, 334–354	Also <i>FPM</i> pp. 30–34
6 Vectors	493–505	
7 Series	230–232, 242–258, 262–269	
8 Differentiation	156–188, 292–294, 327–331	
9 Integration	189–215	

Unit P2: Pure Mathematics 2 (Paper 2)

Topic	Pages	Notes
1 Algebra	93–96, 120–129	
2 Logarithmic and exponential functions	404–422	
3 Trigonometry	334–366, 374–378	
4 Differentiation	292–327, 383–403, 416–432	
5 Integration	416–425, 450–457	
6 Numerical solution of equations	472–478	

Unit P3: Pure Mathematics 3 (Paper 3)

FPM = Further Pure Mathematics

Topic	Pages	Notes
1 Algebra	93–96, 120–129, 262–291	
2 Logarithmic and exponential functions	404–422	
3 Trigonometry	334–366, 374–378	
4 Differentiation	292–327, 383–403, 416–432	
5 Integration	416–425, 433–449, 450–457, 484–486	Also <i>FPM</i> pp. 235–240
6 Numerical solution of equations	472–478	
7 Vectors	493–514	Also <i>FPM</i> pp. 94–102, 106–114
8 Differential equations	327–331, 457–466	
9 Complex numbers		<i>FPM</i> pp. 1–17, 154–158, 338–344

Further Pure Mathematics by Brian and Mark Gaulter

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Unit P1: Pure Mathematics 1 (Paper 1)

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1 Quadratics		<i>IPM</i> pp. 1–44
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Unit P2: Pure Mathematics 2 (Paper 2)

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Unit P3: Pure Mathematics 3 (Paper 3)

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***Introducing Mechanics* by Brian Jefferson and Tony Beadsworth**

Cambridge International Examinations Syllabus Grid

Unit M1: Mechanics 1 (Paper 4)

Topic	Pages	Notes
1 Forces and equilibrium	50–65, 164–182	
2 Kinematics of motion in a straight line	31–45, 97–106	
3 Newton's laws of motion	75–96	
4 Energy, work and power	250–274	

Unit M2: Mechanics 2 (Paper 5)

Topic	Pages	Notes
1 Motion of a projectile	123–134	
2 Equilibrium of a rigid body	183–205, 221–235, 245–249	
3 Uniform motion in a circle	340–359	
4 Hooke's law	370–391	
5 Linear motion under a variable force	97–110	