

Top Twenty UK Universities 2015: Mathematics

1. St Andrews (4 year degree)
2. Cambridge
3. Oxford (MAT test)
4. Warwick
5. University College, London
6. Imperial College (MAT test)
7. Birmingham
8. Exeter
9. Portsmouth
10. Heriot Watt (4 year degree)
11. Durham
12. Lancaster
13. Bath
14. Swansea
15. Surrey (4 year degree)
16. Leicester
17. Oxford, Brookes
18. Leeds (Actuarial maths)
19. Coventry
20. Queen's Belfast

Indicative Grade offers 2015

- AAA
- A*A*A (Physics & Further maths highly desirable) *
- A*A*A (Maths A* + Further Maths*)
- A*A*A - A*AA (Maths A* + Further Maths) *
- A*A*A - A*AA
(Maths A* + Further Maths A*) *
- A*A*A (Maths A* + Further Maths A*)
- AAB (Maths grade A)
- A*AA - ABB (Maths grade A)
- 260 - 300 points
- BBB
- A*AA (A* maths or A* Further maths)
- AAA AAB
- A*AA - A*AB (Maths grade A* & Further preferred)
- ABB - BBB
- A*AA
- AAB (Maths grade A)
- BBB
- A*AA - AAA (Maths grade A)
- BBB
- ABB (Maths grade A)

*STEP - Sixth Term Examination Paper

$$\begin{aligned}
 x - \sin^k x &\leq \cos^{k-1} x - \sin^{k-1} x \leq \cos^k x \\
 &= \frac{1}{2} \angle ACB \quad \frac{k}{n} \leq a \leq \frac{k+1}{n} \quad \angle AO_2O_1 \\
 a^k &= [k] = k > \log_a [a^k] \geq [\log_a [a^k]] \quad [\log_a \\
 \operatorname{tg} \angle CAB &= \operatorname{tg} (p-a) = \frac{p-q}{1+pq} \\
 -Q^2 &= (R+Q)(R-Q) \sum_k \left(\frac{2n}{p^k} \right) - \left[\frac{n}{2} \right] \quad p^2 = R^2 \\
 + \left[\frac{n}{2^m} \right] + \dots &< \frac{n}{2} + \frac{n}{4} + \dots + \frac{n}{2^m} + \dots = n \left[\frac{n}{4} \right] + \dots \\
 x - \sin^n x &\leq \cos^{n-1} x - \sin^{n-1} x \leq \cos^n x
 \end{aligned}$$

AIM

HIGHER