**SYLLABUS OUTLINE (Junior IB Mathematical Studies SL)**

**SY 2017 - 2018**

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| --- | --- | --- |
| **Syllabus Component** | **Chapter** | **# of Subtopics** |
| All topics are compulsory. Students must study all the sub-topics in each of the topics in the syllabus as listed in this guide. Students are also required to be familiar with the topics listed as prior learning.  |  |  |
| **1st Quarter** | **Prior Learning Topics**  | 1 | 7  |
| **Topic 1** Number and algebra | 2 7 | 7 7  |
| **2nd Quarter** | **Topic 2** Descriptive statistics | 11 | **7** |
| **Topic 3** Logic, sets and probability | 89  | 6 7  |
| **3rd Quarter** | **Topic 3** Logic, sets and probability | 10 | 10  |
| **Topic 4** Statistical applications | 12 | **5** |
| **4th Quarter** | **Topic 5** Geometry and trigonometry | 3 6 | 5  7  |
| **Topic 6** Mathematical models | 4 5 | 9 4  |
| **Total**  | **12** | **81** |

Text: Pearson Baccalaureate Mathematical Studies 2nd edition Standard Level

Author: Roger Brown, Ron Carrell, David Wees

**SYLLABUS OUTLINE (Senior IB Mathematical Studies SL)**

**SY 2018 - 2019**

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| **Syllabus Component** | **Chapter** | **# of Subtopics** |
| All topics are compulsory. Students must study all the sub-topics in each of the topics in the syllabus as listed in this guide. Students are also required to be familiar with the topics listed as prior learning.  |  |  |
| **1st Quarter** | **Topic 7**Introduction to Differential Calculus | 13 | 5 |
|  **Internal Assessment** |   |  |
| **2nd Quarter** |  **Internal Assessment** |   |  |
|  **Internal Assessment** |   |   |
| **3rd Quarter** |  **Final Internal Assessment Due** |  |   |
|  **Review of Topics** |  |  |
| **4th Quarter** |  **Review of Topics** |  |   |
| **Paper 1 and Paper 2**  |  |    |
|  |  |  |

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