**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 | 8  9 | 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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