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| **S:\AdminShared\All Staff\1 College Logo's\Baldivis_Logo_colour (Small).jpgMathematics Methods Assessment Outline 2018**  **TEXT: Nelson Senior Maths- Methods 12 (Student text)**  **Mathematical methods 3/4 AJ Sadler** | | | | | |
| **Assessment weightings** | **Tasks** | **Week/s** | | **Task weighting** | **Syllabus dot points** |
| Unit 3 | | | | | |
| Response  20% | **Test 1:** Differentiation rules, the second derivative and its applications and anti-differentiation. (excluding trigonometric or exponential functions) | | T1 W5 | 4% | **3.1.7 - 3.2.3 excluding 3.1.9** |
| **Test 2:** Definite integrals, fundamental theorem, applications of integration (excluding all trigonometric and exponential functions) | | T1 W9 | 4% | **3.2.6 and 3.2.10 - 3.2.22 ( excluding application to trigonometric and exponential functions)** |
| **Test 3:** Furtherdifferentiation and applications and integrals using exponential and trigonometric function | | T1 W11 | 4% | **3.1.1 -3.1.6, 3.1.9, 3.2.4-3.2.9** |
|  | **Test 4-** Discrete random variable, Bernoulli distribution and Binomial distribution | | T2 W3 | 8% | **3.3.1 - 3.3.16** |
| Investigation  6% | **Investigation 1:** Differentiation and Integration | | T1 W3 | 6% | Differentiation and integration |
| Examination 10% | **End of unit Examination** | | W5, 6 | 10% | Unit 3 content |
|  | Semester 1 total | |  | 36% |  |
| Unit 4 | | | | | |
| Response  20% | **Test 5:** Logarithmic function and calculus of the natural logarithmic function | T3 W1 | | 7% | **4.1.1 - 4.1.14** |
| **Test 6:** General continuous random variables and normal distributions | T3 W5 | | 7% | **4.2.1 – 4.2.7** |
| **Test 7:** Interval estimates for proportions | T3 W9 | | 6% | **4.3.1 - 4.3.10** |
| Investigation  14% | **Investigation 2:** Logarithms | T2 W9 | | 6% | Logarithms |
| **Investigation 3:** Central limit theorem | T3 W6 | | 8% | Central limit theorem |
| Examination 30% | Final Examination | T4 W1 | | 30% | Unit 3 and 4 content |
|  | Semester 2 total |  | | 64% |  |
| Year total | | | | **100%** |  |