**Sample Assessment Outline**

Marine and Maritime Studies

ATAR Year 11

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# Sample assessment outline

# Marine and Maritime Studies – ATAR Year 11

## Units 1 and 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment type  (from syllabus)** | **Assessment type weighting**  **(from syllabus)** | **Assessment**  **task**  **weighting** | **When** | **Assessment task** |
| Science inquiry/ Scientific skills/ Investigation | 15% | 5% | Semester 1  Week 3 | **Task 1:** Testing for salinity  Students prepare a calibration graph based on standard solutions and test salinity of sea water. Students assess the methodology and comment on validity of any conclusions based on the methodology. |
| 5% | Semester 1  Week 7 | Task 3: Boat hull design  Compare and contrast design features of specific hull designs. |
| 5% | Semester 2  Week 8 | Task 10: Comparing marine construction materials: Conservation  Students investigate the archaeological importance, stability and conservation of different marine construction materials. |
| Practical | 20% | 5% | Semester 1  Week 14 | Task 5: Deliver a new crew induction briefing  Students prepare and deliver a safety and induction briefing for new boat crew. |
| 10% | Semester 1  Week 15 | Task 6: Power boating skills test  To assess a student’s ability to apply knowledge in order to safely and confidently display basic power boating skills in controlled conditions. |
| 5% | Semester 2  Week 13 | Task 12: Rope skills test  Students tie eight knots in front of an assessor. |
| Extended response | 10% | 5% | Semester 2  Week 6 | **Task 9:** Marine resource management in-class assessment  Students are provided with a recent case study/report on the Western Rock Lobster and are required to write a report that addresses specific focus questions associated with the Western Rock Lobster and its management as a marine resource. |
| 5% | Semester 2  Week 15 | Task 13: Charting skills and passage planning  Students apply mapping and charting skills to plan a voyage to sea and back to port that takes account of tides, bearings, speed, distance, time and the ability to read a nautical chart. |

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| --- | --- | --- | --- | --- |
| Test | 15% | 5% | Semester 1  Week 6 | Task 2: Test – Oceanography and Environmental and resource management   * location and characteristics of Western Australian marine ecosystems * measuring abiotic and biotic factors of a marine ecosystem * salt, seawater, petroleum and gas from the Western Australian marine environment * Australian Exclusive Economic Zone. |
| 2.5% | Semester 1  Week 10 | Task 4: Test – Maritime history and archaeology   * impact of world trade patterns and historic sea routes on Western Australian coastal exploration * impact of technological advances on navigation and the subsequent consequences for exploration of the Western Australian coastline (SHE) * importance of exploration and mapping of the Western Australian coastline. |
| 5% | Semester 2  Week 5 | Task 8: Test – Oceanography   * cycling of nitrogen, carbon and water through a marine ecosystem * interdependence of organisms within a marine ecosystem, including food webs * factors that create ocean currents * global surface ocean currents * global atmospheric circulation systems * identification of cyclical changes in global atmospheric circulation systems require systematic collection and analysis of data to reveal patterns over time (SHE). |
| 2.5% | Semester 2  Week 11 | Task 11: Test – Maritime history and archaeology   * background and location of Western Australian shipwrecks * historical information found within a shipwreck * Western Australian law protecting wreck sites * factors that influence the selection of artefacts for conservation and display * historical significance, value, aesthetics, and impact of removal, are determining factors used to influence decisions on conservation and display of maritime artefacts (SHE). |
| Examination | 40% | 15% | Semester 1  Week 16 | Task 7: Semester 1 examination – covers Unit 1 content; based on the Year 12 examination design brief (2.5 hours)  Section 1: 15 multiple-choice questions (20% of the total examination)  Section 2: 4–6 short answer questions (50% of the total examination)  Section 3: two questions from a choice of four (30% of the total examination) |
| 25% | Semester 2  Week 16 | Task 14: Semester 2 examination – covers Units 1 and 2 content with approximately  40% Unit 1 and 60% Unit 2; based on the Year 12 examination design brief (3 hours)  Section 1: 20 multiple-choice questions (20% of the total examination)  Section 2: 6–8 short answer questions (50% of the total examination)  Section 3: two questions from a choice of four (30% of the total examination) |
| Total | 100% | 100% |  |  |