**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 salinityStudents 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 designCompare and contrast design features of specific hull designs. |
| 5% | Semester 2Week 8 | Task 10: Comparing marine construction materials: ConservationStudents investigate the archaeological importance, stability and conservation of different marine construction materials. |
| Practical | 20% | 5% | Semester 1Week 14 | Task 5: Deliver a new crew induction briefing Students prepare and deliver a safety and induction briefing for new boat crew. |
| 10% | Semester 1Week 15 | Task 6: Power boating skills testTo assess a student’s ability to apply knowledge in order to safely and confidently display basic power boating skills in controlled conditions. |
| 5% | Semester 2Week 13 | Task 12: Rope skills testStudents tie eight knots in front of an assessor. |
| Extended response | 10% | 5% | Semester 2Week 6 | **Task 9:** Marine resource management in-class assessmentStudents 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 2Week 15 | Task 13: Charting skills and passage planningStudents 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. |

| **Assessment type (from syllabus)** | **Assessment type weighting****(from syllabus)** | **Assessment****task****weighting** | **When** | **Assessment task** |
| --- | --- | --- | --- | --- |
| Test | 15% | 5% | Semester 1Week 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 2Week 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 2Week 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 1Week 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 2Week 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% |  |  |