**Sample Assessment Outline**

Food Science and Technology

ATAR Year 12

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# Sample assessment outline

# Food Science and Technology – ATAR Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment  type** | **Assessment type  weighting** | **Assessment**  **task**  **weighting** | **Due date** | **Assessment task** |
| Investigation | 25% | 15% | Semester 1  Week 9 | **Task 2:** Properties of food  Investigate the influences on the properties of food, including the effect of preservation methods; factors impacting on food, such as processing techniques, additives, equipment and storage; the Australian New Zealand Food Standards Code for the use of additives in food and for product recall. An in-class validation process will be conducted. |
| 10% | Semester 2  Week 2 | **Task 5:** Food promotion  Investigate marketing mix strategies and analyse how these strategies are used to promote food products and influence consumer choice. Consider consumer concerns related to food promotion and the implication of advertising and marketing to children. An in-class validation process will be conducted. |
| Production analysis | 15% | 5% | Semester 1  Week 14 | **Task 3:** Production analysis  Use the technology process to develop a product proposal to include at least two functional properties of food and consider: recipe adaptation for nutrient content, portion control and cost, consumer profile and product purpose. Produce the product and complete an analysis for compliance with the proposal, sensory properties, effectiveness of the processing techniques used and purpose of the functional properties selected. |
| 10% | Semester 2  Week 12 | **Task 7:** New product proposal  Use the technology process to produce a new food product considering consumer profile, product purpose and product specifications. Conduct simple surveys and develop a new product proposal that responds to a consumer need, adapts recipes and is packaged for presentation. Complete an analysis of the process and the final food product. |
| Response | 20% | 10% | Semester 1  Week 7 | **Task 1:** Test – Nutrition  An in-class test on macronutrients, micronutrients, diet-related health, and health and wellbeing; includes multiple-choice questions, short-answer responses and an essay. |
| 10% | Semester 2  Week 6 | **Task 6:** Test – Sustainable food production  An in-class essay on environmental issues that impact on sustainable production of food commodities, the use of biotechnology in food systems, and the process and benefits of genetic modification in food production. |
| Examination | 40% | 20% | Examination  week | **Task 4:** Semester 1 examination – three hours, using the examination design brief from the ATAR Year 12 syllabus;  Section One: 15 multiple-choice questions (15%); Section Two: six short-answer questions (55%); and  Section Three: two questions from a choice of three (30%). |
| 20% | Examination  week | **Task 8:** Semester 2 examination – three hours, using the examination design brief from the ATAR Year 12 syllabus;  Section One: 15 multiple-choice questions (15%); Section Two: six questions from a choice of eight (55%); and  Section Three: two questions from a choice of three (30%). |
| **Total** | **100%** | **100%** |  |  |