

Senior Food and Nutrition (General)
Learning & Assessment Overview 2021

Year 11				Year 12			
FNU Unit 1 Food Science of vitamins, minerals & protein		FNU Unit 2 Food Drivers and Emerging Trends		FNU Unit 3 Food Science of Carbohydrate and Fat		FNU Unit 4 Food Solution Development for Nutrition Consumer Markets	
In this unit, students explore sectors of the food system and the nutrients that make up our food. They explore fundamentals of food science through practical investigation of the nutritional and scientific properties of vitamins, minerals and protein in foods. Students use the Food & Nutrition problem-solving process to build knowledge and develop and test ideas using a range of experimental techniques to create solutions. Students solve problems for consumer markets by defining and analysing the problem, developing ideas, and generating and evaluating a solution.		In Unit 2, students explore the factors that determine what food solutions will be developed and made ready for marketing and consumption. These factors include consumer drivers and quality control standards, including food safety and labelling legislation. Students use the Food & Nutrition problem-solving process to build knowledge and skills that they can use to develop ideas related to consumer food drivers, sensory profiling and labelling legislation. Students will solve problems for consumer markets by defining and analysing the problem, developing ideas and generating and evaluating a solution.		In Unit 3, students study the fundamentals of food science through practical investigation of the nutritional, scientific and sensory properties of carbohydrate- and fat-based food products. Students use the Food & Nutrition problem-solving process to build knowledge and skills that they can use to develop and test ideas, using a range of experimental techniques to create solutions. Students will solve problems for consumer markets by defining and analysing the problem, developing ideas and generating and evaluating a solution.		In Unit 4, students solve food and nutrition problems to improve safety, nutrition, convenience, transparency and accessibility for nutrition consumer markets. Currently, the food industry and its stakeholders recognise that the climate of consumer needs and wants is dynamic and constantly provides new opportunities in food solution development. Investigations into shifting consumer purchase decisions and behaviours have found that consumers have changed in fundamental ways. This creates new challenges and opportunities for food solution development, and industry success will be determined by how effectively these are managed.	
Topics 1. Introduction to the food system 2. Vitamins and minerals 3. Protein 4. Developing food solutions		Topics 1. Consumer food drivers 2. Sensory profiling 3. Labelling and food safety 4. Food formulations for consumer markets		Topics 1. The food system 2. Carbohydrate 3. Fat 4. Developing food solutions		Topics 1. Formulation and reformulation for nutrition consumer markets 2. Food development process	
Unit Duration Yr 11 Weeks 1 - 17 (17 weeks)		Unit Duration Yr 11 Weeks 18 - 34 (17 weeks)		Unit Duration Yr 11 Weeks 35 - 38, Yr 12 Weeks 1 - 13 (17 weeks)		Unit Duration Yr 12 Weeks 14 - 33, External Exams Weeks 34 - 37 (20 weeks)	
Assessment Task/s		Assessment Task/s		Assessment Task/s		Assessment Task/s	
FIA1	FIA2	FIA3	FIA4	IA1	IA2	IA3	EA4
FIA1 Examination <i>Weighting: 25%</i> <i>Conditions:</i> 2 hrs + 10 mins perusal, short response items of 50-250 words, extended response 400+ words, 800-1000 word in total, unseen stimulus	FIA2 Project Folio <i>Weighting: 25%</i> <i>Conditions:</i> 15 hours, 8-10 A3 pages, excluding TOC and references	FIA3 Examination <i>Weighting: 25%</i> <i>Conditions:</i> 2 hrs + 10 mins perusal, short response items of 50-250 words, extended response 400+ words, 800-1000 word in total, unseen stimulus	FA4 Project Folio <i>Weighting: 25%</i> <i>Conditions:</i> 15 hours, 8-10 A3 pages, excluding TOC and references	IA1 Examination <i>Weighting: 20%</i> <i>Conditions:</i> 2 hrs + 10 mins perusal, short response items of 50-250 words, extended response 400+ words, 800-1000 word in total, unseen stimulus	IA2 Project - folio <i>Weighting: 25%</i> <i>Conditions:</i> 15 hours, 10-12 A3 pages, excluding TOC and references	IA2 Project - folio <i>Weighting: 30%</i> <i>Conditions:</i> 15 hours, 10-15 A3 pages, excluding TOC and references	EA Examination <i>Weighting: 25%</i> <i>Conditions:</i> 2 hrs + 10 mins perusal, short response items of 50-250 words, extended response 400+ words, 800-1000 word in total, unseen stimulus
<i>Issued: Week 1</i> <i>Due: Week 8</i>	<i>Issued: Week 9</i> <i>Due: Week 17</i>	<i>Issued: Week 22</i> <i>Due: Week 25</i>	<i>Issued: Week 26</i> <i>Due: Week 33</i>	<i>Issued: Week 1</i> <i>Due: Week 4/5</i>	<i>Issued: Week 8</i> <i>Due: Week 16</i>	<i>Issued: Week 18</i> <i>Due: Week 24</i>	<i>Issued: n/a</i> <i>Due: Week 32</i>