

**VANITA VISHRAM WOMEN'S UNIVERSITY, SURAT**  
**FACULTY OF SCIENCE**  
**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**Department of Food and Nutrition**

**Credit Structure for the B.Sc.(Honours)Food and Nutrition**

Semester	Subjects	Core Course	Component wise Credits	Total Credits
<b>Semester 1</b>	Nutrition Science	Core Course-I (Credit-2) Core Course-II (Credit-2) Core Course Lab-1 (Credit-2)	6	<b>24</b>
	Clinical Dietetics	Core Course-I (Credit-2) Core Course-II (Credit-2) Core Course Lab-1 (Credit-2)	6	
	Food Science	Core Course-I (Credit-2) Core Course-II (Credit-2) Core Course Lab-1 (Credit-2)	6	
	AECC	AECC-I (Credit-2) AECC-II (Credit-2)	4	
	Elective	GE-I (Credit-2) <b>Elective (From Other Discipline)</b>	2	
<b>Semester 2</b>	Nutrition Science	Core Course-III (Credit-2) Core Course-IV (Credit-2) Core Course Lab-2 (Credit-2)	6	<b>24</b>
	Clinical Dietetics	Core Course-III (Credit-2) Core Course-IV (Credit-2) Core Course Lab-2 (Credit-2)	6	
	Food Science	Core Course-III (Credit-2) Core Course-IV (Credit-2) Core Course Lab-2 (Credit-2)	6	
	AECC	AECC-I (Credit-2) AECC-II (Credit-2)	4	
	Elective	GE-I (Credit-2) <b>Elective (From Other Discipline)</b>	2	
<b>Semester 3</b>	Nutrition Science	Core Course-V (Credit-2) Core Course-VI (Credit-2) Core Course-VII (Credit-2) Core Course Lab-3 (Credit-3)	9	<b>24</b>
	Clinical Dietetics	Core Course-V (Credit-2) Core Course-VI (Credit-2) Core Course-VII (Credit-2) Core Course Lab-3 (Credit-3)	9	
	SEC	Skill Enhancement-1 Skill Enhancement-2	4	
	Department Elective	Department Elective-1 <b>(Certificate Course (30 Hrs)*/ In House Or Outside Training (30 Hrs)/ Student Exchange Program)</b>	2	
<b>Semester 4</b>	Nutrition Science	Core Course-VIII (Credit-2) Core Course-IX (Credit-2) Core Course-X (Credit-2) Core Course Lab-4 (Credit-3)	9	<b>24</b>
	Clinical Dietetics	Core Course-VIII (Credit-2) Core Course-IX (Credit-2) Core Course-X (Credit-2) Core Course Lab-4 (Credit-3)	9	
	SEC	Skill Enhancement-3 (Credit-2) Skill Enhancement-4 (Credit-2)	4	
	Department	Department Elective-2 <b>(Certificate Course (30 Hrs)*/ In House Or Outside</b>	2	

	Elective	<b>Training (30 Hrs)/ Student Exchange Program)</b>		
<b>Semester 5</b>	Nutrition Science	Core Course-XI (Credit-2) Core Course-XII (Credit-2) Core Course-XIII (Credit-2) Core Course-XIV (Credit-2) Core Course-XV (Credit-2) Core Course-XVI (Credit-2) Core Course Lab-V (Credit-6)	18	<b>24</b>
	Department Elective	Department Elective-3 (Credit-2) Department Elective-3 Practical (Credit-1) <b>Selections would be made from the two subjects offered</b> Department Elective-4 (Credit-2) Department Elective-4 Practical (Credit-1) <b>Selections would be made from the two subjects offered</b>	6	
<b>Semester 6</b>	Nutrition Science	Core Course-XVII (Credit-2) Core Course-XVIII (Credit-2) Core Course-XIX (Credit-2) Core Course-XX (Credit-2) Core Course Lab-VI (Credit-4)	12	<b>24</b>
	Department Elective	Department Elective-5 (Credit-2) Department Elective-5 Practical (Credit-1) <b>Selections would be made from the two subjects offered</b> Department Elective-6 (Credit-2) Department Elective-6 Practical (Credit-1) <b>Selections would be made from the two subjects offered</b>	6	
	Project Work	Project Work/ Training (90 Hrs)/ Internship (2 Weeks)	6	
<b>Semester 7</b>	Nutrition Science	Core Course-XXI (Credit-4) Core Course Lab-7 (Credit-2)	6	<b>22</b>
	Research Specific Elective	Research Methodology (Credit-2) Research Area Specific Elective-I (Credit- 2)	4	
	Research Component	Dissertation (Credit-9) Seminar (Credit-1) Research Article Writing (Credit-2)**	12	
<b>Semester 8</b>	Nutrition Science	Core Course-XXII (Credit-4) Core Course Lab-8 (Credit-2)	6	<b>22</b>
	Research Specific Elective	Data Analysis Course (Credit-2) Research Area Specific Elective-II (Credit- 2)	4	
	Research Component	Dissertation (Credit-9) Seminar (Credit-1) Research Paper Presentation in Seminar or Conference (Credit-2)	12	
<b>Total</b>				<b>188</b>

**\*Certificate Course may be in Online/Offline or in Blended Mode. Students can opt for courses offered by Swayam or other MOOC platforms.**

**\*\*Research Article Writing Comprises Articles Submitted to The Supervisor.  
Suggestive Notes for The Implementation of NEP 2020:**

- As Per Government Guidelines, Yet We Can Implement Ncc/Nss/ Saptdhara/ Physical Training As 2 Credit Component In Each Semester And Incorporate It In The Course Curriculum

**Subject Combinations to be Offered for Academic Year 2022-26**

- Food and Nutrition

## Credit Structure of the Programme with Paper Titles

<b>Subject Titles and Credits Structure FOR B.Sc. FOOD AND NUTRITION PROGRAMME FOR THE STUDENTS ENROLLED IN THE AY 2022-23</b>						
<b>Semester</b>	<b>Course Code</b>	<b>Course Category</b>	<b>Course Title</b>	<b>Offering Department</b>	<b>Total Credit</b>	<b>Semester Wise Total Credit</b>
<b>I</b>	FN11010	CC	Fundamentals of Food and Health (Theory)	Food & Nutrition	2	<b>24</b>
	FN11020	CC	Principles of Macronutrients (Theory)	Food & Nutrition	2	
	FN11030	CC	Applied Science (Practical)	Food & Nutrition	2	
	FN11040	CC	Basic Dietetics (Theory)	Food & Nutrition	2	
	FN11050	CC	Human Physiology -I (Theory)	Food & Nutrition	2	
	FN11060	CC	Food Laboratory (Practical)	Food & Nutrition	2	
	FN11070	CC	Food Hazards & Prevention (Theory)	Food & Nutrition	2	
	FN11080	CC	Essential of Food Science (Theory)	Food & Nutrition	2	
	FN11090	CC	Basic Food Chemistry (Practical)	Food & Nutrition	2	
	EN2010	AE	Communication Skills in English - I (Theory)	English	2	
	BT12010	AE	Environmental Studies - I (Theory)	Biotechnology	2	
	BT31090	GE	Biotechnology for Human Welfare (Theory)	Biotechnology	2	
	CH31090	GE	Biochemistry-I (Theory)	Chemistry		
	FN31020	GE	Food Safety and Hygiene (Theory)	Food & Nutrition		
	PH32080	GE	Physics in Everyday Life-I (Theory)	Physics		
	BO31010	GE	Microbes, Algae, Fungi and Archegonite (Theory)	Botany		
<b>II</b>	FN11100	CC	Lifecycle Nutrition	Food & Nutrition	2	<b>24</b>
	FN11110	CC	Principle of Micronutrients (Theory)	Food & Nutrition	2	
	FN11120	CC	Family Meal Management (Practical)	Food & Nutrition	2	
	FN11130	CC	Nutrition in Physical Fitness (Theory)	Food & Nutrition	2	
	FN11140	CC	Human Physiology -II (Theory)	Food & Nutrition	2	
	FN11150	CC	Assessment of Nutritional Status (Practical)	Food & Nutrition	2	
	FN11160	CC	Advance Food Science (Theory)	Food & Nutrition	2	
	FN11170	CC	Food Adulteration and Legislation (Theory)	Food & Nutrition	2	
	FN11180	CC	Food Preservation and Processing (Practical)	Food & Nutrition	2	
	EN2020	AE	Communication Skills in English - II (Theory)	English	2	
	BT12020	AE	Environmental Studies - II (Theory)	Biotechnology	2	
	BT31100	GE	Basics of Human Embryology (Theory)	Biotechnology	2	
	CH31100	GE	Biochemistry-II (Theory)	Chemistry		
	BO31020	GE	Botany for Human Welfare (Theory)	Botany		
	FN31030	GE	Food Standards and Laws (Theory)	Food & Nutrition		
	PH31100	GE	Physics in Everyday Life II (Theory)	Physics		
<b>III</b>	FN11190	CC	Food Microbiology-I (Theory)	Food & Nutrition	2	<b>24</b>
	FN11200	CC	Food Psychology (Theory)	Food & Nutrition	2	
	FN11210	CC	Food Fortification (Theory)	Food & Nutrition	2	
	FN11220	CC	Sensory Evaluation (Practical)	Food & Nutrition	3	
	FN11230	CC	Maternal and Child Nutrition (Theory)	Food & Nutrition	2	
	FN11240	CC	Malnutrition in Children (Theory)	Food & Nutrition	2	

	FN11250	CC	Nutrition in GI Disorders (Theory)	Food & Nutrition	2	
	FN11260	CC	Maternal Counseling (Practical)	Food & Nutrition	3	
	FN14010	SEC	Nutrition Instrumentation(Theory)	Food & Nutrition	2	
	FN14020	SEC	Food Instrumentation (Theory)	Food & Nutrition	2	
	FN15010	DSE	Growth and Development (Theory)	Food & Nutrition	2	
	FN15020	DSE	Mass Media and Extension (Theory)	Food & Nutrition		
IV	FN11270	CC	Geriatric Nutrition (Theory)	Food & Nutrition	2	24
	FN11280	CC	Food Entrepreneurship (Theory)	Food & Nutrition	2	
	FN11290	CC	Diet for Communicable Diseases (Theory)	Food & Nutrition	2	
	FN11300	CC	Food Craft (Practical)	Food & Nutrition	3	
	FN11310	CC	Special Feeding Methods (Theory)	Food & Nutrition	2	
	FN11320	CC	Diet for Non-Communicable Diseases (Theory)	Food & Nutrition	2	
	FN11330	CC	Nutrition in Critical Care (Theory)	Food & Nutrition	2	
	FN11340	CC	Hospital Diets (Practical)	Food & Nutrition	3	
	FN14030	SEC	Food Tourism(Theory)	Food & Nutrition	2	
	FN14040	SEC	Ayurveda and Nutrition (Theory)	Food & Nutrition	2	
	FN15030	DSE	Food Packaging and Marketing (Theory)	Food & Nutrition	2	
V	FN11350	CC	Nutritional Biochemistry-I (Theory)	Food & Nutrition	2	24
	FN11360	CC	Food microbiology- II (Theory)	Food & Nutrition	2	
	FN11370	CC	Nutrition Programme Management(Theory)	Food & Nutrition	2	
	FN11380	CC	Food Service Management (Theory)	Food & Nutrition	2	
	FN11390	CC	Food Security (Theory)	Food & Nutrition	2	
	FN11400	CC	Nutrition Education and Extension (Theory)	Food & Nutrition	2	
	FN11410	CC	Diet Therapy (Practical)	Food & Nutrition	3	
	FN11420	CC	Food Analysis (Practical)	Food & Nutrition	3	
	FN15050	DSE	Nutrition Updates (Theory)	Food & Nutrition	2	
	FN15060	DSE	Dietetics Techniques (Theory)	Food & Nutrition	2	
	FN15070	DSE	Nutritional Biochemistry (Practical)	Food & Nutrition	2	