



Symbiosis Institute of Health Sciences, Pune
Master of Science (Nutrition and Dietetics)
Programme Structure 2021-23

1.	OBJECTIVE	To nurture, cultivate, and promote nutritionists and dietitians and create an ecosystem for innovation that enables development of strategies of social relevance.			
2.	DURATION (IN MONTHS)	24 (Full Time)			
3.	INTAKE	60			
4.	RESERVATION	I. Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Percentage)	c) Differently abled (In Percentage)
			15	7.5	3
		II. Over and above the sanctioned intake	a) Kashmiri Migrants (In Seats)	b) International Students (In Percentage)	
			2	15	
5.	ELIGIBILITY	Graduate in Life Sciences/ Home Sciences/ Health Sciences and any other Biological sciences from any recognized University/ Institution of National Importance and must have obtained a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste/ Scheduled Tribes) at graduation			
6.	SELECTION PROCEDURE	Written test/ Personal Interaction.			
7.	MEDIUM OF INSTRUCTION	English			
8.	PROGRAMME PATTERN	Semester			
9.	COURSE & SPECIALIZATION	As per Annexure A			
10.	FEE		Academic Fee p.a	Institute Deposit	Total
		Indian Students	210000	20000	230000
		International Students (USD equivalent to INR)	315000	20000	335000
11.	ASSESSMENT	All internal courses will have 100% component as internal evaluation at the institute level. All external courses will have 60% internal component and 40% component as external (University) examination.			
12.	STANDARD OF PASSING	The assessment of the student for each examination is done, based on relative performance. Maximum Grade Point (GP) is 10 corresponding to O (Outstanding). For all courses, a student is required to pass both internal and external examination separately with a minimum Grade Point of 4 corresponding to Grade P. Students securing less than 40% absolute marks in each head of passing will be declared FAIL. The University awards a degree to the student who has achieved a minimum			

		CGPA of 4.000 out of maximum of 10 CGPA for the programme.
13.	AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE	Master of Science (Nutrition and Dietetics with specialization in Public Health and Nutrition) / Master of Science (Nutrition and Dietetics with specialization in Clinical Nutrition and Dietetics) / Master of Science (Nutrition and Dietetics with specialization in Nutrigenomics) will be awarded at the end of semester IV examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA.

14. NATURE WISE DISTRIBUTION OF CREDITS

Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	20	0	0	0	0	0	20
2	6	2	12	0	0	1*	20
3	0	0	20	0	0	1*	20
4	0	0	20	0	0	0	20
Total	26	2	52	0	0	0	80

* Satisfactory completion of the non letter grade courses 'Integrated Disaster Management' and 'Research Publication' is mandatory for award of degree.

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Head - Academics

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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Semester : 1							
Generic Core Courses							
T4735	0401450101	Principles of Human Nutrition		3	90	60	150
T4736	0401450102	Nutritional Biochemistry		3	90	60	150
T4737	0401450103	Physiology		3	90	60	150
T4739	0401450105	Food Quality and Safety		3	90	60	150
T4740	0401450106	Nutrition through Life Cycle and Meal Management		3	90	60	150
T4725	0401450107	Research Methodology		2	60	40	100
T4726	0401450104	Biostatistics		3	90	60	150
Total				20	600	400	1000
Semester : 2							
Generic Core Courses							
F0003	0401450201	Flexi-Credit Course		3	150	0	150
T4742	0401450202	Nutritional Epidemiology		3	90	60	150
T4005	0401450203	Integrated Disaster Management *		0	0	0	Non Letter Grade
Total				6	240	60	300
Generic Elective Courses Group							
F0002	0401450204	Flexi-Credit Course		2	100	0	100
TH4199	0401450205	Entrepreneurship in the Food Industry		2	60	40	100
Total Required Credits				2	100	0	100
Specialization Core Courses : Public Health Nutrition							
T4743	0401450206	Social Determinants of Nutrition and Health	Public Health Nutrition	3	90	60	150
T4744	0401450207	Nutrition Education and Health Promotion	Public Health Nutrition	3	90	60	150
T4745	0401450208	Public Health Nutrition	Public Health Nutrition	3	90	60	150
T4746	0401450209	Lifestyle Disease Management	Public Health Nutrition	3	90	60	150
Total				12	360	240	600
Specialization Core Courses : Nutrigenomics							
T4747	0401450210	Medical Nutrition Therapy - I	Nutrigenomics	3	90	60	150
T4748	0401450211	Medical Nutrition Therapy Practical - I	Nutrigenomics	3	90	60	150
T4752	0401450212	Genetics	Nutrigenomics	3	90	60	150
T4768	0401450213	Cell and Molecular Biology	Nutrigenomics	3	90	60	150



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Total				12	360	240	600
Specialization Core Courses : Clinical Nutrition and Dietetics							
T4747	0401450210	Medical Nutrition Therapy - I	Clinical Nutrition and Dietetics	3	90	60	150
T4748	0401450211	Medical Nutrition Therapy Practical - I	Clinical Nutrition and Dietetics	3	90	60	150
F0002	0401450214	Flexi-Credit Course	Clinical Nutrition and Dietetics	2	60	40	100
T4749	0401450215	Nutrition Education and Counselling	Clinical Nutrition and Dietetics	2	60	40	100
T4751	0401450216	Nutrition Care Process	Clinical Nutrition and Dietetics	2	60	40	100
Total				12	360	240	600
Semester : 3							
Generic Core Courses							
T0100	0401450301	Research Publication *		0	0	0	Non Letter Grade
Total				0	0	0	0
Specialization Core Courses : Public Health Nutrition							
T4753	0401450302	Maternal and Child Nutrition	Public Health Nutrition	3	90	60	150
T4754	0401450303	Biostatistics - II	Public Health Nutrition	3	90	60	150
T4755	0401450304	Global Nutrition	Public Health Nutrition	3	90	60	150
T4756	0401450305	Nutrition Policy and Advocacy	Public Health Nutrition	3	90	60	150
T4758	0401450306	Nutrition during Emergencies and Challenging Conditions	Public Health Nutrition	3	90	60	150
T4759	0401450307	Public Health Nutrition - Field Training	Public Health Nutrition	3	90	60	150
T4757	0401450308	Programme Planning and Management	Public Health Nutrition	2	60	40	100
Total				20	600	400	1000
Specialization Core Courses : Nutrigenomics							
T4760	0401450309	Medical Nutrition Therapy - II	Nutrigenomics	3	90	60	150
T4761	0401450310	Medical Nutrition Therapy Practical - II	Nutrigenomics	3	90	60	150
T4764	0401450311	Nutraceuticals and Functional Foods	Nutrigenomics	3	90	60	150



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T4727	0401450312	Genomics, Proteomics and Bioinformatics	Nutrigenomics	3	90	60	150
T4769	0401450313	Precision Medicine	Nutrigenomics	3	90	60	150
T4770	0401450314	Laboratory Techniques - II	Nutrigenomics	3	90	60	150
T4762	0401450315	Nutrition Therapy in Critical Care	Nutrigenomics	2	60	40	100
Total				20	600	400	1000
Specialization Core Courses : Clinical Nutrition and Dietetics							
T4760	0401450309	Medical Nutrition Therapy - II	Clinical Nutrition and Dietetics	3	90	60	150
T4761	0401450310	Medical Nutrition Therapy Practical - II	Clinical Nutrition and Dietetics	3	90	60	150
T4764	0401450311	Nutraceuticals and Functional Foods	Clinical Nutrition and Dietetics	3	90	60	150
T4762	0401450315	Nutrition Therapy in Critical Care	Clinical Nutrition and Dietetics	2	60	40	100
T4766	0401450316	Pediatric and Geriatric Nutrition	Clinical Nutrition and Dietetics	3	90	60	150
T4763	0401450317	Nutrition Therapy in Critical Care-Practical	Clinical Nutrition and Dietetics	2	60	40	100
T4765	0401450318	Food Service Management and Entrepreneurship	Clinical Nutrition and Dietetics	2	60	40	100
T4767	0401450319	Research Applications in Clinical Nutrition and Dietetics	Clinical Nutrition and Dietetics	2	60	40	100
Total				20	600	400	1000
Semester : 4							
Specialization Core Courses : Public Health Nutrition							
T4714	0401450401	Public Health Nutrition Dissertation	Public Health Nutrition	15	450	300	750
T4904	0401450402	Public Health Nutrition Internship	Public Health Nutrition	5	150	100	250
Total				20	600	400	1000
Specialization Core Courses : Nutrigenomics							
T4714	0401450403	Nutrigenomics Dissertation	Nutrigenomics	15	450	300	750
T4904	0401450404	Nutrigenomics Internship	Nutrigenomics	5	150	100	250
Total				20	600	400	1000
Specialization Core Courses : Clinical Nutrition and Dietetics							
T4909	0401450405	Clinical Nutrition and Dietetics Internship	Clinical Nutrition and Dietetics	10	300	200	500



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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T4709	0401450406	Clinical Nutrition and Dietetics Dissertation	Clinical Nutrition and Dietetics	10	300	200	500
Total				20	600	400	1000



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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Public Health Nutrition				
Semester 1	0	20	20	1000
Semester 2	5	15	20	1000
Semester 3	0	20	20	1000
Semester 4	0	20	20	1000
Total	5	75	80	4000
Nutrigenomics				
Semester 1	0	20	20	1000
Semester 2	5	15	20	1000
Semester 3	0	20	20	1000
Semester 4	0	20	20	1000
Total	5	75	80	4000
Clinical Nutrition and Dietetics				
Semester 1	0	20	20	1000
Semester 2	5	15	20	1000
Semester 3	0	20	20	1000
Semester 4	0	20	20	1000
Total	5	75	80	4000