

Symbiosis School of Biological Sciences, Pune
Master of Science (Nutrition and Dietetics)
Programme Structure 2019-21

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	30			
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)	
			0	15	
5.	ELIGIBILITY	Graduate in Life Sciences / Home Sciences / Health Sciences and any other Biological sciences from any recognized University/ Institution of National Importance with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste / Scheduled Tribes).			
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	200000	20000	220000
		International Students (USD equivalent to INR)	300000	20000	320000
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	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	8	0	12	0	0	1*	20
3	0	0	20	0	0	0	20
4	0	0	20	0	0	0	20
Total	28	0	52	0	0	0	80

* Satisfactory completion of the letter grade course 'Integrated Disaster Management' is mandatory for award of degree.

Programme Structure is approved by the Academic Council subject to its norms & conditions. Any provision in the Programme Structure which violates the basic rules & regulations is deemed to be termed "Null & Void".

Head-Academics

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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Credits	External Credits	Total Marks
Semester : 1							
Generic Core Courses							
T4735	040343101	Principles of Human Nutrition		3	90	60	150
T4736	040343102	Nutritional Biochemistry		3	90	60	150
T4737	040343103	Physiology		3	90	60	150
T4738	040343104	Food Microbiology		3	90	60	150
T4739	040343105	Food Quality and Safety		3	90	60	150
T4740	040343106	Nutrition through Life Cycle and Meal Management		3	90	60	150
T4741	040343107	Laboratory Techniques - 1		2	60	40	100
Total				20	600	400	1000
Semester : 2							
Generic Core Courses							
T4726	040343201	Biostatistics		3	90	60	150
T4742	040343202	Nutritional Epidemiology		3	90	60	150
T4725	040343203	Research Methodology		2	60	40	100
T4005	040343204	Integrated Disaster Management *		0	0	0	Letter Grade
Total				8	240	160	400
Specialization Core Courses : Public Health Nutrition							
T4743	040343205	Social Determinants of Nutrition and Health	Public Health Nutrition	3	90	60	150
T4744	040343206	Nutrition Education and Health Promotion	Public Health Nutrition	3	90	60	150
T4745	040343207	Public Health Nutrition	Public Health Nutrition	3	90	60	150
T4746	040343208	Lifestyle Disease Management	Public Health Nutrition	3	90	60	150
Total				12	360	240	600
Specialization Core Courses : Nutrigenomics							
T4727	040343209	Genomics, Proteomics and Bioinformatics	Nutrigenomics	3	90	60	150
T4747	040343210	Medical Nutrition Therapy - I	Nutrigenomics	3	90	60	150
T4748	040343211	Medical Nutrition Therapy Practical - I	Nutrigenomics	3	90	60	150
T4752	040343212	Genetics	Nutrigenomics	3	90	60	150
Total				12	360	240	600
Specialization Core Courses : Clinical Nutrition and Dietetics							
T4747	040343210	Medical Nutrition Therapy - I	Clinical Nutrition and Dietetics	3	90	60	150
T4748	040343211	Medical Nutrition Therapy Practical - I	Clinical Nutrition and Dietetics	3	90	60	150
F0002	040343213	Flexi-Credit Course	Clinical Nutrition and Dietetics	2	60	40	100
T4749	040343214	Nutrition Education and Counselling	Clinical Nutrition and Dietetics	2	60	40	100
T4751	040343215	Nutrition Care Process	Clinical Nutrition and Dietetics	2	60	40	100
Total				12	360	240	600
Semester : 3							
Specialization Core Courses : Public Health Nutrition							
T4753	040343301	Maternal and Child Nutrition	Public Health Nutrition	3	90	60	150

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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Credits	External Credits	Total Marks
T4754	040343302	Biostatistics - II	Public Health Nutrition	3	90	60	150
T4755	040343303	Global Nutrition	Public Health Nutrition	3	90	60	150
T4756	040343304	Nutrition Policy and Advocacy	Public Health Nutrition	3	90	60	150
T4758	040343305	Nutrition during Emergencies and Challenging Conditions	Public Health Nutrition	3	90	60	150
T4759	040343306	Public Health Nutrition - Field Training	Public Health Nutrition	3	90	60	150
T4757	040343307	Programme Planning and Management	Public Health Nutrition	2	60	40	100
Total				20	600	400	1000
Specialization Core Courses : Nutrigenomics							
T4760	040343308	Medical Nutrition Therapy - II	Nutrigenomics	3	90	60	150
T4761	040343309	Medical Nutrition Therapy Practical - II	Nutrigenomics	3	90	60	150
T4764	040343310	Nutraceuticals and Functional Foods	Nutrigenomics	3	90	60	150
T4768	040343311	Cell and Molecular Biology	Nutrigenomics	3	90	60	150
T4769	040343312	Precision Medicine	Nutrigenomics	3	90	60	150
T4770	040343313	Laboratory Techniques - II	Nutrigenomics	3	90	60	150
T4762	040343314	Nutrition Therapy in Critical Care	Nutrigenomics	2	60	40	100
Total				20	600	400	1000
Specialization Core Courses : Clinical Nutrition and Dietetics							
T4760	040343308	Medical Nutrition Therapy - II	Clinical Nutrition and Dietetics	3	90	60	150
T4761	040343309	Medical Nutrition Therapy Practical - II	Clinical Nutrition and Dietetics	3	90	60	150
T4764	040343310	Nutraceuticals and Functional Foods	Clinical Nutrition and Dietetics	3	90	60	150
T4762	040343314	Nutrition Therapy in Critical Care	Clinical Nutrition and Dietetics	2	60	40	100
T4766	040343315	Pediatric and Geriatric Nutrition	Clinical Nutrition and Dietetics	3	90	60	150
T4763	040343316	Nutrition Therapy in Critical Care-Practical	Clinical Nutrition and Dietetics	2	60	40	100
T4765	040343317	Food Service Management and Entrepreneurship	Clinical Nutrition and Dietetics	2	60	40	100
T4767	040343318	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	040343401	PUBLIC HEALTH NUTRITION DISSERTATION	Public Health Nutrition	15	450	300	750
T4904	040343402	PUBLIC HEALTH NUTRITION INTERNSHIP	Public Health Nutrition	5	150	100	250
Total				20	600	400	1000
Specialization Core Courses : Nutrigenomics							
T4714	040343403	NUTRIGENOMICS DISSERTATION	Nutrigenomics	15	450	300	750
T4904	040343404	Nutrigenomics Internship	Nutrigenomics	5	150	100	250
Total				20	600	400	1000
Specialization Core Courses : Clinical Nutrition and Dietetics							

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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Credits	External Credits	Total Marks
T4909	040343405	Clinical Nutrition and Dietetics Internship	Clinical Nutrition and Dietetics	10	300	200	500
T4709	040343406	Clinical Nutrition and Dietetics Dissertation	Clinical Nutrition and Dietetics	10	300	200	500
Total				20	600	400	1000

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Public Health Nutrition				
Semester1	0	20	20	1000
Semester2	0	20	20	1000
Semester3	0	20	20	1000
Semester4	0	20	20	1000
Total	0	80	80	4000
Nutrigenomics				
Semester1	0	20	20	1000
Semester2	0	20	20	1000
Semester3	0	20	20	1000
Semester4	0	20	20	1000
Total	0	80	80	4000
Clinical Nutrition and Dietetics				
Semester1	0	20	20	1000
Semester2	0	20	20	1000
Semester3	0	20	20	1000
Semester4	0	20	20	1000
Total	0	80	80	4000