

Name of the institute: SIHS

Name of the programme: M.Sc. Nutrition & Dietetics

Revision in Syllabus

Institute Code	Institute Name	Program me Code	Program Name	Catalog Course Code	Catalog Course Name	Course Type	Batch 2020	Batch 2021	Change in T-Code Yes / No	Change in course/Nature	Change in Pedagogy	Change in evaluation	Change in instruction method	Add on course	Changes Yes: Revised No: Not Revised
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	GEN003	Internship	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	GEN004	Dissertation	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	GEN005	Non Catalog Courses	Core	Base PS	Dropped	Yes	Yes					Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T0100	Research Publication	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4005	Integrated Disaster Management	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4725	Research Methodology	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4726	Biostatistics	Core	Base PS	Yes	No						Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4727	Genomics, Proteomics and Bioinformatics	Core	Base PS	Yes	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4735	Principles of Human Nutrition	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4736	Nutritional Biochemistry	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4737	Physiology	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4738	Food Microbiology	Core	Base PS	Dropped	Yes	Yes					Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4739	Food Quality and Safety	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4740	Nutrition through Life Cycle and Meal Management	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4741	Laboratory Techniques - 1	Core	Base PS	Dropped	Yes	Yes					Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4742	Nutritional Epidemiology	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4743	Social Determinants of Nutrition and Health	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4744	Nutrition Education and Health Promotion	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4745	Public Health Nutrition	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4746	Lifestyle Disease Management	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4747	Medical Nutrition Therapy - I	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4748	Medical Nutrition Therapy Practical - I	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4749	Nutrition Education and Counselling	Core	Base PS	No	No						No



401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4752	Genetics	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4753	Maternal and Child Nutrition	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4754	Biostatistics –II	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4755	Global Nutrition	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4756	Nutrition Policy and Advocacy	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4757	Programme Planning and	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4758	Nutrition during Emergencies	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4759	Public Health Nutrition –Field	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4760	Medical Nutrition Therapy - II	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4761	Medical Nutrition Therapy	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4762	Nutrition Therapy in Critical	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4763	Nutrition Therapy in Critical Care-Practical	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4764	Nutraceuticals and Functional	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4765	Food Service Management and	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4766	Pediatric and Geriatric Nutrition	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4767	Research Applications in Clinical Nutrition and Dietetics	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4768	Cell and Molecular Biology	Core	Base PS	Yes	No	Yes					Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4769	Precision Medicine	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	T4770	Laboratory Techniques - II	Core	Base PS	No	No						No
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	TH4166	Sports Physiology and Nutrition	Core	Base PS	Yes	Yes		Yes				Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	TH4199	Entrepreneurship in the Food Industry	Elective	Base PS	Added	Yes	Yes	Yes				Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	TH4284	Laboratory Techniques - I	Core	Base PS	Added	Yes	Yes	Yes				Yes
401	SIHS, Pune	40145	M.Sc. (Nutrition & Dietetics)	TH4285	Food system	Elective	Base PS	Added	Yes	Yes	Yes				Yes

Total Number of courses: 47

Revisions performed: 7

Revision %: 14.9%



SYMBIOSIS INSTITUTE OF HEALTH SCIENCES

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A' grade (3.58/4) | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M.Sc., Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)



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Percentage of Programmes where syllabus revision was carried out from AY 2020-21 to 2021-2022

Name of the Institute: Symbiosis Institute of Health Sciences (SIHS)

Name of the Programme: M.Sc. Nutrition & Dietetics

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Dr. Kavitha Menon
Professor & Head
Nutrition and Dietetics Programme
SIHS, Lavale, Pune-412 115





Kavitha Menon <kavitha@sihspune.org>

Regarding Programme Structure Master of Science (Nutrition and Dietetics) batch 2021-23

Avni Bhagwat <os_academics@siu.edu.in>

Thu, May 13, 2021 at 11:20 AM

To: Kavitha Menon <kavitha@sihspune.org>

Cc: "Dr. Pravin Dange" <head_academics@siu.edu.in>, Jadhav Sammita <dr_jadhav@sihspune.org>, "Dr. Vipin Joshi" <ar_academics@siu.edu.in>, "Mr. Abhijeet Panmand" <abhijeet.panmand@siu.edu.in>

Dear Madam,

With reference to our telephonic conversation, I have updated the Programme structure for [M.SC. \(N&D\)](#) batch 2021.

Request you to go through and revert.

Thanks & Regards,

[Quoted text hidden]

--

Mrs. Avni Anish Bhagwat (Veena Prakash Lakhwani)

Office Superintendent

Symbiosis International (Deemed University)

Lavale, Pune 412115, Maharashtra, India

Phone: +91-20-3911 6827 (Direct)

[Quoted text hidden]

SIHS M.SC. (N&D) 2021 rough draft.pdf
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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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Symbiosis Institute of Health Sciences, Pune
Master of Science (Nutrition and Dietetics)
Programme Structure 2021-23

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

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
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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Symbiosis Institute of Health Sciences, Pune
Master of Science (Nutrition and Dietetics)
Programme Structure 2021-23

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
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



Celebrating 50 Years of Excellence

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

Annexure A

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



Celebrating 50 Years of Excellence

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

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



Kavitha Menon <kavitha@sihspune.org>

Fwd: Revised Programme Structure of M.Sc. (N&D) batch 2020-22

Dr. Sammita Jadhav <dr_jadhav@sihspune.org>

Fri, Apr 2, 2021 at 4:35 PM

To: Kavitha Menon <kavitha@sihspune.org>, Sanjivani Maral <sanjivani@sihspune.org>, Milind Chunkhare <milind@sihspune.org>

PFA the revised Programme Structure of M.Sc. (N&D) batch 2020-22.

Thanks & Regards,**Dr. Sammita Jadhav**Deputy Director, **Symbiosis Institute of Health Sciences (SIHS)**Member, Board of Studies, **Faculty of Health Sciences (FOHS)**Regional Representative, AFRICA, **SIU**Member, Internal Quality Assurance Cell (IQAC), **SIU****Email :** dr_jadhav@sihspune.org **Tel. +91-9527355053****SIHS Website:** www.sihspune.org **SCIE Website:** www.scie.ac.in**Address:** Senapati Bapat Road, Pune – 411004*“ Coming together is a beginning. Keeping together is progress. Working together is success” – Henry Ford*

----- Forwarded message -----

From: **Dr. Pravin Dange** <head_academics@siu.edu.in>

Date: Fri, Apr 2, 2021 at 3:59 PM

Subject: Revised Programme Structure of M.Sc. (N&D) batch 2020-22

To: Dean FOHS <deanfohs@siu.edu.in>Cc: coe siu <coe@siu.edu.in>, Jadhav Sammita <dr_jadhav@sihspune.org>

Dear Sir/Madam,

The Programme Structures of M.Sc. (N&D) batch 2020-22 has been revised.

The revision details are as follows:

Name of the Constituent:- SIHS

Name of the Programme:- M.Sc.(N&D)

Batch:- 2020-22

Revision No.:- 01

Revision in Semesters:- 2

Please download the revised programme structure from Eduwiz.

If you have any query, please feel free to contact me.

Thanks & Regards,

--

Dr. Pravin Dange

Head-Academics

Symbiosis International (Deemed University)

Lavale, Pune 412115, Maharashtra, India

Phone: +91-20-3911 6211 (Direct)

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Symbiosis Institute of Health Sciences, Pune
Master of Science (Nutrition and Dietetics)
Programme Structure 2020-22

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 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	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.
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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	1*	20
4	0	0	20	0	0	0	20
Total	28	0	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.

The revised programme structure supersedes the previously approved programme structure dated 07/06/2020 for the programme.

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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Symbiosis Institute of Health Sciences, Pune
Master of Science (Nutrition and Dietetics)
Programme Structure 2020-22

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
T4738	0401450104	Food Microbiology		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
Total				20	600	400	1000
Semester : 2							
Generic Core Courses							
T4726	0401450201	Biostatistics		3	90	60	150
T4742	0401450202	Nutritional Epidemiology		3	90	60	150
T4741	0401450203	Laboratory Techniques - 1		2	60	40	100
T4005	0401450204	Integrated Disaster Management *		0	0	0	Non Letter Grade
Total				8	240	160	400
Specialization Core Courses : Public Health Nutrition							
T4743	0401450205	Social Determinants of Nutrition and Health	Public Health Nutrition	3	90	60	150
T4744	0401450206	Nutrition Education and Health Promotion	Public Health Nutrition	3	90	60	150
T4745	0401450207	Public Health Nutrition	Public Health Nutrition	3	90	60	150
T4746	0401450208	Lifestyle Disease Management	Public Health Nutrition	3	90	60	150
Total				12	360	240	600
Specialization Core Courses : Nutrigenomics							
T4768	0401450209	Cell and Molecular Biology	Nutrigenomics	3	90	60	150
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
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



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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
TH4166	0401450213	Sports Physiology and Nutrition	Clinical Nutrition and Dietetics	2	60	40	100
T4749	0401450214	Nutrition Education and Counselling	Clinical Nutrition and Dietetics	2	60	40	100
T4751	0401450215	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
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							



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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
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
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				
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