



Celebrating 50 Years of Excellence

Symbiosis School of Economics, Pune
Master of Science (Economics)
Programme Structure 2023-25

1. OBJECTIVE	1. To facilitate the students to evaluate issues related to the economy, business, public policy and society 2. To rigorously train students to objectively and critically examine and deduce information pertaining to the core, interdisciplinary and applied learnings 3. To replenish the analytical and quantitative abilities and problem-solving aptitude through academics 4. To support students to undertake research-oriented activities and evaluate policy decisions motivated through holistic learning outcomes 5. To empower the students by honing transferable skills for advanced career pursuits			
2. DURATION (IN MONTHS)	24 (Full Time)			
3. INTAKE	80			
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 from any recognised 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	Students are selected on merit along with Personal Interaction and Writing Ability Test (PI-WAT).			
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
M.Sc. (Economics)				



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	Indian Students (Amount in INR)		245000	20000	265000
	International Students	NRI/ PIO/ OCI Category (Amount in US\$)	4825	275	5100
		Foreign National Category (Amount in US\$)	1950	275	2225
M.Sc. (Economics) with Data Analytics Specialization (1st Year)					
	Indian Students (Amount in INR)		245000	20000	265000
	International Students	NRI/ PIO/ OCI Category (Amount in US\$)	4825	275	5100
		Foreign National Category (Amount in US\$)	1950	275	2225
M.Sc. (Economics) with Data Analytics Specialization (2nd Year)					
	Indian Students (Amount in INR)		445000	0	445000
	International Students	NRI/ PIO/ OCI Category (Amount in US\$)	8690	0	8690
		Foreign National Category (Amount in US\$)	3900	0	3900
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 out of maximum of 10 CGPA for the programme.			
13. AWARD OF DEGREE		Master of Science (Economics) (Development Studies/International Trade/ Urban Development/Finance/Data Analytics) will be awarded at the end of semester 4 examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA.			
14. CLASSIFICATION OF CREDITS					

Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Non-Letter Grade Mandatory Course/s	Non-Letter Grade Audit Course/s	Total
Development Studies								
1	23	0	0	0	0	0	As per the student's choice	23
2	19	0	0	0	0	1		19
3	0	0	18	4	0	0		22
4	0	0	16	0	0	0		16
Total	42	0	34	4	0	0		80
International Trade								
1	23	0	0	0	0	0	As per the student's choice	23
2	19	0	0	0	0	1		19
3	0	0	18	2	0	0		20
4	0	0	18	0	0	0		18
Total	42	0	36	2	0	0		80
Urban Development								
1	23	0	0	0	0	0	As per the student's choice	23
2	19	0	0	0	0	1		19
3	0	0	20	0	0	0		20
4	0	0	12	6	0	0		18
Total	42	0	32	6	0	0		80
Finance								
1	23	0	0	0	0	0	As per the student's choice	23
2	19	0	0	0	0	1		19
3	0	0	19	0	0	0		19
4	0	0	17	2	0	0		19
Total	42	0	36	2	0	0		80
Data Analytics								
1	23	0	0	0	0	0	As per the student's choice	23
2	19	0	0	0	0	1		19
3	0	0	20	2	0	0		22
4	0	0	16	0	0	0		16
Total	42	0	36	2	0	0		80

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.

Director - 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							
T6637	0602420101	Advanced Econometrics I		4	120	80	200
T6633	0602420102	Advanced Macroeconomics I		4	120	80	200
T6635	0602420103	Advanced Microeconomics I		4	120	80	200
T6040	0602420104	Mathematical Economics		4	120	80	200
T6046	0602420105	Public Economics		4	120	80	200
T6825	0602420106	Research Methodology and Software Application Package I		3	150	0	150
Total				23	750	400	1150
Semester : 2							
Generic Core Courses							
T6638	0602420201	Advanced Econometrics II		4	120	80	200
T6634	0602420202	Advanced Macroeconomics II		4	120	80	200
T6636	0602420203	Advanced Microeconomics II		4	120	80	200
T6672	0602420204	Growth and Development		4	120	80	200
T6826	0602420205	Research Methodology and Software Application Package II		3	150	0	150
T4005	0602420206	Integrated Disaster Management		0	0	0	Non - Letter Grade Mandatory
Total				19	630	320	950
Semester : 3							
Specialization Core Courses : Urban Development							
T6904	0602420301	Internship	Urban Development	4	200	0	200
T6702	0602420302	Dissertation-I	Urban Development	2	100	0	100
T6532	0602420303	Urban Finance	Urban Development	4	120	80	200
T6531	0602420304	GIS and Problem Solving in the Urban India Context	Urban Development	2	60	40	100
T6528	0602420305	Urban Demography	Urban Development	2	60	40	100
T6527	0602420306	Urban Governance	Urban Development	2	60	40	100
T6529	0602420307	Urban Land Economics	Urban Development	2	100	0	100
T6530	0602420308	Urban Planning and Development	Urban Development	2	60	40	100
Total				20	760	240	1000
Specialization Core Courses : Development Studies							
T6904	0602420301	Internship	Development Studies	4	200	0	200
T6702	0602420302	Dissertation-I	Development Studies	2	100	0	100
T6059	0602420309	Development Experience	Development Studies	4	120	80	200



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T6049	0602420310	Markets and Institutional Framework of Development	Development Studies	4	120	80	200
T6051	0602420311	Urban Economic Development	Development Studies	4	200	0	200
Total				18	740	160	900
Specialization Elective : Development Studies (Choose Any One Course)							
T6874	0602420312	Behavioral and Experimental Economics	Development Studies	4	200	0	200
T6050	0602420313	Trade, Aid and Development	Development Studies	4	200	0	200
Total Required Credits				4	200	0	200
Specialization Core Courses : International Trade							
T6904	0602420301	Internship	International Trade	4	200	0	200
T6702	0602420302	Dissertation-I	International Trade	2	100	0	100
T6053	0602420314	International Trade Policy	International Trade	4	120	80	200
T6649	0602420315	Open Macroeconomics	International Trade	4	120	80	200
T6052	0602420316	Pure Theory of Trade	International Trade	4	120	80	200
Total				18	660	240	900
Specialization Elective : International Trade (Choose Any One Course)							
T6644	0602420317	International Political Economy and Trade	International Trade	2	100	0	100
T6647	0602420318	Trade and Environment	International Trade	2	100	0	100
Total Required Credits				2	100	0	100
Specialization Core Courses : Finance							
T6904	0602420301	Internship	Finance	4	200	0	200
T6702	0602420302	Dissertation-I	Finance	2	100	0	100
T6693	0602420319	Financial Economics	Finance	4	120	80	200
T2934	0602420320	Security Analysis and Portfolio Management	Finance	4	120	80	200
T2014	0602420321	Derivative Markets	Finance	3	90	60	150
T2051	0602420322	Financial Modeling	Finance	2	60	40	100
Total				19	690	260	950
Specialization Core Courses : Data Analytics							
F0004	0602420312	Flexi-Credit Course	Data Analytics	4	200	0	200
T6721	0602420323	Big Data Analytics	Data Analytics	4	120	80	200
T6850	0602420324	Python for Data Science	Data Analytics	4	120	80	200
T3567	0602420325	Data Analysis and Visualization	Data Analytics	3	90	60	150
T3365	0602420326	Data Mining	Data Analytics	3	90	60	150



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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T3635	0602420327	Financial Analytics	Data Analytics	2	60	40	100
Total				20	680	320	1000
Specialization Elective: Data Analytics (Choose any one Course)							
TE7755	0602420328	Exploratory Data Analysis Lab	Data Analytics	2	100	0	100
TE7682	0602420329	Maths for Data Science	Data Analytics	2	100	0	100
Total Required Credits				2	100	0	100
Semester : 4							
Specialization Core Courses : Urban Development							
T6704	0602420401	Dissertation-II	Urban Development	4	200	0	200
T6533	0602420402	Urban Development Experiences	Urban Development	4	120	80	200
T6534	0602420403	Urban Poverty, Migration and Sustainable Livelihoods	Urban Development	4	120	80	200
Total				12	440	160	600
Specialization Elective : Urban Development (Choose Any Three Courses)							
T6536	0602420404	Urban Energy and Environment	Urban Development	2	100	0	100
T6535	0602420405	Urban Mobility	Urban Development	2	100	0	100
T6537	0602420406	Urban Solid Waste Management	Urban Development	2	100	0	100
T6538	0602420407	Urban Water and Sanitation	Urban Development	2	100	0	100
Total Required Credits				6	300	0	300
Specialization Core Courses : Development Studies							
T6704	0602420401	Dissertation-II	Development Studies	4	200	0	200
T6061	0602420408	Human Development	Development Studies	4	120	80	200
T6060	0602420409	Rural Development	Development Studies	4	120	80	200
T6048	0602420410	Theories and Models of Development and Distribution	Development Studies	4	120	80	200
Total				16	560	240	800
Specialization Core Courses : International Trade							
T6704	0602420401	Dissertation-II	International Trade	4	200	0	200
T6058	0602420411	International Capital Market and Finance	International Trade	4	120	80	200
T6057	0602420412	International Organizations and Regional Cooperation in Trade	International Trade	4	200	0	200
T6067	0602420413	Multinational Trade: Procedures and Laws	International Trade	4	120	80	200
T6650	0602420414	Trade Finance	International Trade	2	100	0	100
Total				18	740	160	900



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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Specialization Core Courses : Finance							
T6704	0602420401	Dissertation-II	Finance	4	200	0	200
T6058	0602420411	International Capital Market and Finance	Finance	4	120	80	200
T2933	0602420415	Financial Risk Management	Finance	4	200	0	200
T2022	0602420416	Insurance Management	Finance	3	90	60	150
T2055	0602420417	Behavioral Finance	Finance	2	100	0	100
Total				17	710	140	850
Specialization Elective : Finance (Choose Any One Course)							
T2940	0602420418	Corporate Finance	Finance	2	100	0	100
T2885	0602420419	Introduction to Micro Finance	Finance	2	100	0	100
Total Required Credits				2	100	0	100
Specialization Core Courses : Data Analytics							
T6708	0602420420	Dissertation	Data Analytics	8	400	0	400
T2908	0602420421	Corporate Internship Programme	Data Analytics	8	240	160	400
Total				16	640	160	800



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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Urban Development				
Semester 1	3	20	23	1150
Semester 2	3	16	19	950
Semester 3	8	12	20	1000
Semester 4	10	8	18	900
Total	24	56	80	4000
Development Studies				
Semester 1	3	20	23	1150
Semester 2	3	16	19	950
Semester 3	14	8	22	1100
Semester 4	4	12	16	800
Total	24	56	80	4000
International Trade				
Semester 1	3	20	23	1150
Semester 2	3	16	19	950
Semester 3	8	12	20	1000
Semester 4	10	8	18	900
Total	24	56	80	4000
Finance				
Semester 1	3	20	23	1150
Semester 2	3	16	19	950
Semester 3	6	13	19	950
Semester 4	12	7	19	950
Total	24	56	80	4000
Data Analytics				
Semester 1	3	20	23	1150
Semester 2	3	16	19	950
Semester 3	6	16	22	1100
Semester 4	8	8	16	800
Total	20	60	80	4000