



### NAAC SSR- CYCLE 4: 2018-2023

**Metric No. 1: 1.1.2: The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements**

This document contains sample syllabi with Programme Outcomes (POs), Course Outcomes (COs) and Specific Modules with contents relevant to employability/ entrepreneurship/ skill development. These are value-adding frameworks enshrined in the Sustainable Development Goals (SDGs) and National Education Policy (NEP) – 2020 which have been imbibed into our Curriculum in the last five years (2018-2023). We have followed a colour-coded system and have highlighted the relevant contents in blue.

*This is to certify that the attached documents from page numbers 2 to 10 have been verified and found to be true.*

  
Principal  
SIES College of Arts, Science &  
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Sion (West), Mumbai - 400 022.

**Dr. Uma Shankar  
Principal**



**College Seal**

**Metric No. 1: 1.1.2: The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements**

<b>SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE, (AUTONOMOUS), SION WEST, MUMBAI 400022</b>							
<b>SSR 2018-2023 Criteria I: 1.1.2. Employability/ Entrepreneurship/ Skill development</b>							
<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Programme Name</b>	<b>Course Name</b>	<b>Course Code</b>	<b>Programme Outcomes (POs)</b>	<b>Course Outcomes (COs) of specific modules</b>	<b>Link of the syllabus on the college website</b>
1.	Arts	SYBA Economics/ Sem III	Elementary Quantitative Techniques	SIUAEQT31	<ul style="list-style-type: none"> <li>● <b>PO4: Research Skill</b></li> <li>● Integrate the contextual knowledge in an inter-disciplinary framework by exercising the analytical skill, research ability, creativity, for employability and collaborating with industries.</li> <li>● <b>PO8: Self-directed Learning</b></li> <li>● Demonstrate the ability to keep evolving in life-long learning and upgrade with the changing global and technological advancements.</li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO1:</b></li> <li>● Understanding of various data collection techniques and tabulation method.</li> <li>● <b>CO2:</b></li> <li>● Applying statistical tools of central tendency &amp; dispersion.</li> </ul>	<a href="#">Link</a>

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2.	Arts	SYBA Politics/ Sem IV	Travel and Tourism Management	SIUATTM41	<ul style="list-style-type: none"> <li>● <b>PO2: Critical Thinking</b></li> <li>● Evaluate the accuracy and validity of assumptions with an ability to reflect essentially from different perspectives and ideas.</li> <li>● <b>PO4: Research skill</b> Integrate the contextual knowledge in an inter-disciplinary framework by exercising the analytical skill, research ability, creativity, for employability and collaborating with industries.</li> <li>● <b>PO5: Effective Communication skills</b></li> <li>● Facilitate the ability to speak, read, write, listen effectively in Indian languages, other medium of instructions and enhance the use of digital communication tools.</li> <li>● <b>PO8: Self-directed Learning</b></li> <li>● Demonstrate the ability to keep evolving in life-long learning and upgrade with the changing global and technological advancements.</li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO1:</b></li> <li>● Application of relevant technology for the production and management of tourism experiences.</li> <li>● <b>CO2:</b></li> <li>● Plan, lead, organize and control resources for effective and efficient tourism operations.</li> <li>● <b>CO3:</b></li> <li>● Create, apply, and evaluate marketing strategies for tourism destinations and organizations.</li> <li>● <b>CO4:</b></li> <li>● Develop a foundational understanding of tourism thereby opening career opportunities in the tourism and service industry.</li> </ul>	<a href="#">Link</a>

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3.	Science	TYBSc Biochemistry/	Nutrition, Biomolecules & Biophysical Chemistry- I	SIUSBCH51	<ul style="list-style-type: none"> <li>● <b>PO2: Critical Thinking and Analytical skills</b></li> <li>● Develop critical thinking and a sense of inquiry or asking relevant scientific questions</li> <li>● Demonstrate the ability to analyze, interpret and draw conclusions from qualitative/quantitative data</li> <li>● Critically evaluate ideas, theories and concepts by following scientific and interdisciplinary approach</li> <li>● <b>PO3: Utilizing the contextual knowledge in an interdisciplinary framework.</b></li> <li>● Integrating research based knowledge and research methods involving problem definition, analysis and interpretation of data, synthesis of the information to provide valid conclusions.</li> <li>● Exercising analytical skill, research ability, creativity, for employability and collaborating with industries.</li> <li>● <b>PO4: Demonstrate the ability to listen, analyze and reproduce the instructions</b></li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO5:</b></li> <li>● Employ techniques of Chromatography and Spectroscopy in biochemical investigations and solve related analytical problems</li> </ul>	<a href="#">Link</a>

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					<ul style="list-style-type: none"> <li>Express thoughts and ideas effectively through written and oral communication.</li> <li>Demonstrate skills to present complex information in a clear, lucid and concise manner.</li> <li><b>PO5: Use e-resources for effective learning</b></li> <li>Employ computational tools and internet to retrieve, analyze, present, communicate and disseminate scientific data and information</li> </ul> <p>Understand the scope and limitations of printed and electronic media in gathering, and disseminating scientific knowledge.</p>		
4.	Science	SYBSc Mathematics/ Sem III	Practicals based on all the three theory courses	SIUSMATP3	<ul style="list-style-type: none"> <li><b>PO1: Solving Complex Problems</b></li> <li>Applying the knowledge of various courses learned under a program with an ability to break down complex problems into simple components, by designing processes required for problem solving.</li> </ul>	<ul style="list-style-type: none"> <li><b>CO2:</b></li> <li>Explore mathematical software/mobile apps like Matlab/ Scilab/ Geogebra/ SAGE/ Desmos to solve problems and visualize solids. (free and open versions)</li> <li><b>CO3:</b></li> </ul>	<a href="#">Link</a>

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					<ul style="list-style-type: none"> <li>● <b>PO2: Critical Thinking and reasoning ability</b></li> <li>● Exhibits ability to understand abstract concepts, analyze, and apply them in problem solving. Ability to formulate and develop logical arguments. Developing the ability to think with different perspectives and ideas. (Skills necessary for progression to higher education and research.)</li> <li>● <b>PO3: Research Aptitude</b></li> <li>● Acquiring the ability to explore and gain knowledge in independent ways through reading assignments, problem solving assignments, projects, seminars, presentations.</li> <li>● <b>PO4: Proficiency with ICT</b></li> <li>● Equip to select, apply appropriate tools and techniques, resources through electronic media for the purpose of visualizing mathematical objects, geometrical interpretations, coding, and analyzing data.</li> </ul>	<p>Test validity of mathematical statements using results and constructing appropriate examples</p>	

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5.	Commerce	SYBCom/ Sem III	Accountancy and Financial Management III	SIUCAFM31	<ul style="list-style-type: none"> <li>● <b>PO1: Knowledge and problem solving</b></li> <li>● Ability to express and apply the knowledge gained to solve problems related to specific business situations and transactions.</li> <li>● <b>PO3: Effective communication and social interaction</b></li> <li>● Equipped to write reports and make presentations using workplace jargon, ability to listen and to clearly express ideas orally, facilitate exchange of ideas with varied groups as a team member and/or a leader in diverse business domains.</li> <li>● <b>PO4: Information and Digital Literacy:</b></li> <li>● Demonstrate the use of appropriate tools, techniques and software, inclusive of internet and electronic media for acquiring, assessing and analyzing data relevant to business decisions.</li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO3:</b></li> <li>● Able to draft Commonsize statements, Comparative statements and Trend statements and compute ratios for basic analysis of financial statements, with brief comments.</li> <li>● <b>CO5:</b></li> <li>● Able to draft the cash flow statement in AS 3 format given relevant details of assets and liabilities balances and activities during the year.</li> </ul>	<a href="#">Link</a>

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6.	Commerce	SYBCom/ Sem IV	Accountancy and Financial Management IV	SIUCAFM41	<ul style="list-style-type: none"> <li>● <b>PO1: Knowledge and problem solving</b></li> <li>● Ability to express and apply the knowledge gained to solve problems related to specific business situations and transactions.</li> <li>● <b>PO3: Effective communication and social interaction</b></li> <li>● Equipped to write reports and make presentations using work-place jargon, ability to listen and to clearly express ideas orally, facilitate exchange of ideas with varied groups as a team member and/or a leader in diverse business domains.</li> <li>● <b>PO4: Information and Digital Literacy:</b></li> <li>● Demonstrate the use of appropriate tools, techniques and software, inclusive of internet and electronic media for acquiring, assessing and analyzing data relevant to business decisions.</li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO4:</b></li> <li>● To value shares by different methods, given relevant terms and conditions</li> <li>● <b>CO5:</b></li> <li>● To use Excel spreadsheet formulae to organize accounting data to produce the Trial balance.</li> </ul>	<a href="#">Link</a>



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7.	SFCs	FYBAMMC/ Sem I	Visual Communication	SIUBAMMC13	<ul style="list-style-type: none"> <li>● <b>PO4: Research Skill</b></li> <li>● Integrate the contextual knowledge in an interdisciplinary framework by exercising the analytical skill, research ability, creativity, for employability and collaborating with industries.</li> <li>● <b>PO5: Effective Communication skill</b></li> <li>● Facilitate the ability to speak, read, write, listen effectively in Indian languages, other medium of instructions and enhance the use of digital communication tools.</li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO3:</b></li> <li>● Infer the psychological implication of colors, theories of design, and types of layout under fundamentals of design.</li> <li>● <b>CO4:</b></li> <li>● Illustrate the visual art medium namely painting, photography, film, television, digital art, comics, animation, dtp, printmaking, folk, performing arts, theatre, sculpture, architecture, video games and web design technologies.</li> <li>● <b>CO5:</b></li> <li>● Classify internet, print, interactive media and devices used in communication design.</li> </ul>	<a href="#">Link</a>

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8.	SFCs	FYBSc Data Science/ Sem I	Soft Skills Development	SIUSDS15	<ul style="list-style-type: none"> <li>● <b>PO6: Information and Digital Literacy</b></li> <li>● Equip to use appropriate tools and techniques inclusive of internet and electronic media for acquiring, assessing and analyzing data from diverse resources.</li> <li>● <b>PO7: Social Interactive Skills and team work</b></li> <li>● Exhibit networking and social interactive skills; function effectively as an individual and as a member in diverse groups; demonstrate leadership quality useful for employability</li> </ul>	<ul style="list-style-type: none"> <li>● <b>CO1:</b></li> <li>● Describe the various hard skills, soft skills and components of emotional intelligence</li> <li>● <b>CO3:</b></li> <li>● Write impressive resume, plan the preparation for job interviews and presentations</li> <li>● <b>CO4:</b></li> <li>● Explain the techniques of group and panel discussions, personality and develop emotional intelligence</li> <li>● <b>CO5:</b></li> <li>● Describe the strategies for Capacity Building, Leadership, Team Building and managing stress and time</li> </ul>	<a href="#">Link</a>