

**Shri Rawatpura Sarkar University,  
Raipur**



**Examination Scheme & Syllabus  
for  
Two Year Master of Science in  
Environmental Science Programme  
M.Sc. EVS Semester-IV**

(Effective from the session: 2022-2023)



# Shri Rawatpura Sarkar University

Raipur, Chhattisgarh

Faculty of Science

Department of Chemistry

Two Year Master of Science in Environmental Science Programme

M.Sc. EVS Semester-IV

Scheme of Teaching and Examination

Outcome Based Education (OBC) and Choice Based Credit System (CBCS)

(Effective from the session: 2022-2023)

S. No.	Course Code	Course Title	Hours/ Week			Credit	Maximum Marks			Sem End Exam Duration (Hrs)
			L	T	P		Continuation Evaluation	Semester End Examination	Total	
1	SMS05401P	Dissertation	-	-	36	18	135	315	450	-
2	SMS05402P	Seminar and Viva Voce	-	-	8	4	35	70	100	5.0
3	SMS04521P	Research paper	-	-	4	2	15	35	50	-
<b>Total teaching hrs/week: 48</b>			<b>Total Credits</b>			<b>24</b>	<b>Total Marks</b>		<b>600</b>	



**Two year Master of Science in Environmental Science programme**  
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**2022-2023**

<b>Course Title</b>	<b>Dissertation</b>				
<b>Course Code</b>	<b>SMS05401P</b>				
<b>Course Credits</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>TC</b>	
	-	-	<b>36</b>	<b>18</b>	
<b>Prerequisites</b>	<b>Knowledge of theory and practical chemistry.</b>				
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>• The capability to use a holistic view to critically, independently and creatively identify, formulate and deal with complex issues.</li> <li>• The capability to plan and use adequate methods to conduct qualified tasks in given frameworks and to evaluate this work.</li> <li>• The capability to create, analyse and critically evaluate different technical and feasible solutions.</li> <li>• The capability to critically and systematically integrate knowledge.</li> <li>• The capability to clearly present and discuss the conclusions as well as the knowledge and arguments that form the basis for these findings in written and spoken English.</li> <li>• The capability to identify the issues that must be addressed within the framework of the specific thesis in order to take into consideration all relevant dimensions of sustainable development.</li> <li>• A consciousness of the ethical aspects of research and development work</li> </ul>				
<b>Course Contents</b>	<p><b>Dissertation must be completed as per the following:-</b></p> <ol style="list-style-type: none"> <li>1. The work must be in continuation with the title as selected in final year for the Preliminary work on Dissertation</li> <li>2. Well-defined Engineering Research – based Problem must be selected</li> <li>3. Motivation to select such problem</li> <li>4. Literature Survey: Part 1 (What other researchers have done so far?)</li> <li>5. Literature Survey: Part 2 (What are the Voids found?)</li> <li>6. Problem Formulation (As per the voids detected)</li> <li>7. Solution Methodology with respect to the :               <ol style="list-style-type: none"> <li>I. - Flowchart and Algorithm</li> <li>II. - What methods have been applied?</li> <li>III. - Why they have been applied?</li> <li>IV. - How they have been applied?</li> <li>V. - Mathematical formulations to justify the work</li> </ol> </li> </ol>				



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	<p>VI. - Case-based studies (if any)</p> <p>VII. - Results and Discussions (must be thorough)</p> <p>8. So far Observations and further planning's</p> <p>9. Any help to the Society through the selected research based problem</p> <p>10. The thesis must be completed as per the following format:(Next Page)</p>
<b>Course Outcomes</b>	<ul style="list-style-type: none"><li>• Demonstrate of well-defined selected project problem</li><li>• Encourage to prepare one International Journal and attends two International Conferences related to their final project .</li><li>• Present effectively each part of the dissertation in terms of motivation, literature, methodology, experimentation and final conclusions</li></ul>



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**FORMAT OF THESIS**

Binding of thesis	Cover	Five Hard Cover Binding
	Colour	Light Blue
	Margin Top	4 Cm
	Margin Bottom	4 Cm
	Margin Left	4 Cm
	Margin Right	2 Cm
	Printing on the Top	Title of the thesis in capital letters (24 font size) Times New Roman
	Printing in the middle of cover	Name of the candidate in capital letters (18 font size) Times New Roman
	Printing on Bottom	<p>THESIS</p> <p>Submitted to SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR for the award of the Degree of Master of Science in..... (subject) with Specialization .....</p> <p>Month, Year</p>
	Printing on the Binding edge	The binding edge of the jacket should contain the name of the candidate, year and thesis title.
Inside of thesis	Printing	In 1 ½ space, All text in 11 Size with Ariel font and all equations and symbols in 12 size with Times Roman font.
	Margin Top	3 Cm
	Margin Bottom	3 Cm
	Margin Left	4 Cm
	Margin Right	2 Cm
	Quality of paper	Good quality (Executive of 85 GSM)
	Size of paper	29 cms long, 23 cms wide
	Table of contents	(i) Printing of cover to be repeated on first page