



**Central University of Himachal Pradesh**

(ESTABLISHED UNDER CENTRAL UNIVERSITIES ACT 2009)

Dharamshala, Himachal Pradesh-176215



# **NAAC Criterion-I**

## **Key Indicator –1.2.2**

**Structure of program clearly indicating the courses, credits/Electives as approved by competent board of studies**

## **1.2.2 Evidences**



**Department of Chemistry and Chemical Science**  
**Central University of Himachal Pradesh, Dharamshala,**  
**Kangra**



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### Department of Chemistry and Chemical Science

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1	Approved Minutes of the 5 <sup>th</sup> BoS meeting highlighting courses, credits/Electives as approved by competent board of studies	1-5



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

Central University of Himachal Pradesh

शाहपुर परिसर, जिलाकाँगड़ा, (हि.प्र.) - 176206

Shahpur Campus, Distt. Kangra (HP) - 176206

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### AGENDA OF BOARD OF STUDIES

Agenda for the Fifth Meeting of Board of Studies (BoS) of the Department of Chemistry and Chemical Science, SoPMS to be held on 23<sup>rd</sup> September, 2021 at Shahpur campus through Online Mode.

### Contents

Agenda Item No.	Items	Annexure/Page No.
	Agenda of the Fifth Meeting	
	Welcome of all the members by the Chairman	
	Introduction of members	
CCS-BOS-5/21-1	Confirmation of Minutes of 4 <sup>th</sup> BOS meeting held on 28 <sup>th</sup> December 2020.	Annexure-I
CCS-BOS-5/21-2	In principle approval of Modification/change/Addition etc of M.Sc Chemistry syllabus ( 2 Years programme from Academic Year 2021-22) as required in National Education Policy 2020. Various changes /revisions in syllabus from time to time will be reported in the ensuing BOS Meetings.	
CCS-BOS-5/21-3	Scheme of Syllabus for M.Sc. Chemistry two years (Session 2021-22), Syllabus as Per National Education Policy (NEP) and Guidelines provided by Central University of Himachal Pradesh Vide Committee formed in this respect.	Annexure II
CCS-BoS-4/21-4	Detail Syllabus of Courses Semester wise  <u>I<sup>st</sup> Semester</u> Credit 1. CCS 511                      2 2. CCS 512                      2 3. CCS 513                      2 4. CCS 514                      2 5. CCS 515 (Lab)              2 6. CCS 516                      4 7. CCS 517                      2 8. CCS 518                      2	Annexure III



Annexure-II

Suggested Scheme

Total Credits to be completed =80 with 20 credits in each semester



2 YEARS MASTER'S DEGREE PROGRAMME  
Eligibility: 3 Year Bachelor's Degree Programme



Semester	Disciplinary/ Interdisciplinary : Major Course	Disciplinary/ Interdisciplinary: Minor Course	Vocational/ Skill	IK S	Review of Literature, Research Proposal	Dissertat ion	Total
1 <sup>st</sup>	10	04	02	04	0	0	20
2 <sup>nd</sup>	12	04	04	0	0	0	20
3 <sup>rd</sup>	04 (Research Methodology)	04 (Tool Development)	04 (Analysis of Data through Software)	0	08	00	20
4 <sup>th</sup>	04 (Academic Writings)  04 (Paper Publications/Semi nar-Conference Presentation at National Level)	0	04 (Analysis of Data through Software)	0	0	08	20
	34	12	14	04	08	08	80

PROPOSED SCHEME For M.Sc Chemistry Two Year Degree

Semester	Disciplinary/ Interdisciplinary: Major Course	Disciplinary/ Interdisciplinary: Minor Course	Vocational/ Skill	IK S
1 <sup>st</sup>	1. CCS 511 Inorganic Chemistry I (2 credit)  2. CCS 512 Organic Chemistry I (2 credit)	CCS 516 Spectroscopic techniques  (4 credits)	1. CCS 517 Commercial and Green synthesis  (CCS 517) (2 credits) 2. CCS 518 Nanoscience (2 credits)	2 credits  University Wide

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	<p>3. CCS 513 Physical chemistry I (2 credit)</p> <p>4. CCS 514 Advance Analytical Techniques (2 credits)</p> <p>5. Practical I (CCS 515) (2 credits)</p> <p>Total credits: 10</p>	Total credits: 4	Total credits: 4	Total credits: 4
2 <sup>nd</sup>	<p>1. CCS 521 Inorganic chemistry II (4 credits)</p> <p>2. CCS 522 Organic Chemistry II (4 credit)</p> <p>3. CCS 523 Physical chemistry II (4 credit)</p> <p>Total credit: 12</p>	<p>1. CCS524 Biochemistry (2 credit)</p> <p>2. CCS 525 Practical II (2 credit)</p> <p>Total credits: 4</p>	<p>1. CCS 526 Natural Products in Medicinal chemistry (2 credits)</p> <p>Total credits: 4</p>	<p>IKS (2)</p> <p>CCS 527</p>
3 <sup>rd</sup>	<p>CCS 611 (Inorganic chemistry Specialization - I)</p> <p>CCS 612 (Organic chemistry Specialization -I)</p> <p>CCS 613(Physical chemistry Specialization I)</p> <p>Elective Specialization</p>	<p>CCS 614 Research Methodology (Credit 4) (Credit 4)</p> <p>Total credit: 4</p>	<p>CCS 615 Software based data Analysis (Credit 4)</p> <p>Total credit: 4</p>	<p>CCS 616 Review of Literature/ Research Proposal (Credit 8)</p> <p>Total credit: 8</p>

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	<b>Total credit: 4</b>			
<b>4<sup>th</sup></b>	<b>CCS 621(Inorganic chemistry Specialization - II)</b> <b>CCS 622 (Organic chemistry Specialization -II)</b> <b>CCS 623 (Physical chemistry Specialization I) Elective Specialization</b> <b>Total Credit =4</b>	<b>1. CCS 624 Academic Writing (02 Credits)</b> <b>2. CCS 625 Practical (Paper Publication/Seminar-Conference presentation at National Level ) ( 2 Credits)</b>  <b>Total:4</b>	<b>CCS 626 Subject based data analysis and interpretation</b>  <b>(4 Credits)</b>  <b>Total Credit=4</b>	<b>CCS 627 Dissertation</b>  <b>(8 credits)</b>  <b>Total credit :8</b>

*Agupta*

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