

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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INDEX **Department of Chemistry and Chemical Science**

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



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

Central University of Himachal Pradesh

आज़ादी_{का} अमृत महोत्सव

शाहपुर परिसर, ज़िलाकाँगड़ा, (हि.प्र.) - 176206 Shahpur Campus ,Distt. Kangra (HP) - 176206 Website: <u>www.cuhimachal.ac.in</u>

AGENDA OF BOARD OF STUDIES

Agenda for the Fifth Meeting of Board of Studies (BoS) of the Dputnut of Chemistry and Chemical Science, SoPMS to be held on 23rd September, 2021 at Shahpur campus through OnlineMode.

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| Agenda Item No. | Items | Annexure/Pag No. | |
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| , | 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 th BOSmeeting held on 28 th 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 | | |
| | Ist Semester 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 | |



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| | 2 nd SEMESTER | Annexure IV |
|----------------|---|----------------|
| | Credit | |
| | 1. CCS 521 4 | |
| | 2. CCS 522 4 | |
| | 3. CCS 523 4 | |
| | 4. CCS 524 2 | |
| | 5. CCS 525 (Lab) 2 | |
| | 6. CCS 526 2 | |
| | 7. CCS 527 (IKS) 2 | |
| | | |
| | | |
| | ard G | Annexure V |
| | 3 rd Semester | |
| | Credit | |
| | 1. CCS 611/612/ 613 4 | |
| | 2. CCS 614 4 | |
| | 3. CCS 615 4 | |
| | 4. CCS 616 8 | |
| | 365 010 | |
| | | |
| | 4 th Semester | |
| | Credit | |
| | 1. CCS 621/622/ 623 4 | |
| | 2. CCS 624 2 | |
| | 3. CCS 625 2 | |
| | 4. CCS 626 4 | . 9 |
| | 5. CCS 627(Dissertation) 8 | 2 |
| GGG BOG 5/21 5 | Evit /Entry Ontion for M.So. Chamistry | As Don NED |
| CCS-BOS-5/21-5 | Exit /Entry Option for M.Sc Chemistry Students after Completion of First Two | |
| | Semester of course. | Guidelilles |
| CCS-BOS-5/21-6 | Adoption of NEP Guidelines as Proposed by | |
| CCS-BOS-5/21-0 | the Committee constituted by Central | Annevure VI |
| | University of Himachal Pradesh for | Aillexule VI |
| | Implementation of National Education Policy | |
| | 2020 from Academic Session 2021-22 | |
| CCS-BOS-5/21-7 | Item from Chair | |
| COD DOD-5/2127 | (1) For reporting and Noting of PhD Co- | |
| | Supervisor ship of Dr. Manish Kumar at | |
| | Sri.Sai University Palampur (H.P). | |
| | (2) Scheme of PhD Course work from | |
| | Session 2021 onwards as per NEP(| Annover- VIII |
| | Guidelines | Annexure VII). |
| | Guidelines | |

Annexure-II

Suggested Scheme

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





| Semester | Disciplinary/ Interdisciplinary : Major Course | Disciplinary/ Interdisciplinary: Minor Course | Vocational/ Skill | IK S | Review of Literature, Research Proposal | Dissertat ion | Total |
|-----------------|---|---|---|---------|--|------------------|-------|
| 1 ¹¹ | 10 | 04 | 02 | 04 | 0 . | 0 | 20 |
| 2 nd | 12 | 04 | 04 | 0 | 0 | 0 | 20 |
| 3 rd | 04 (Research Methodology) | 04 (Tool Development) | 04 (Analysis of Data through Software) | 0 | 08 | 00 | 20 |
| 4 th | 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

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

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| | 3. CCS 513 Physical chemistry I (2 credit) | | | |
|-----------------|---|--|---|---|
| | 4.CCS 514 Advance Analytical Techniques | Total credits: 4 | | Total credits: 4 |
| | (2 credits) 5.Practical I (CCS 515) (2 credits) | | Total credits:4 | |
| 2 nd | Total credits: | | | |
| 2 | 1. CCS 521 Inorganic chemistry II (4 credits) | | 1. CCS 526 Natural Products in Medicinal | IKS (2) CCS 527 |
| | 2. CCS 522 Organic Chemistry II (4 | 2. CCS 525 Practical II (2 credit) | chemistry (2 credits) | |
| | credit) 3. CCS 523 Physical | | Total credits:4 | |
| K1 | chemistry II (4 credit) | Total credits: 4 | | |
| | | | | |
| | Total credit: 12 | | | |
| 3 rd | CCS 611 (Inorganic chemistry Specialization - I) CCS 612 (Organic | CCS 614 Research Methodology (Credit 4) (Credit 4) | CCS 615 Software based data Analysis (Credit 4) | CCS 616 Review of Literature/ Research Proposal |
| | chemistry Specialization -I) CCS 613(Physical chemistry Specialization I) | Total credit: 4 | Total credit: 4 | (Credit 8) Total credit: 8 |
| | Elective Specialization | | | |

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

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