

15.03.2021

Board of Studies Meeting

The following staff members attended the board of studies meeting held on 15.03.2021 at 10.30 am in the chemistry Department, Sadakathullah Appa College, Rahmath Nagar, Tirunelveli.

1. Dr. A. Syed Mohamed chairperson A. Syed

2. University Nominee

Dr. V. Rama,

Associate Prof. of Chemistry & Head,

Department of Chemistry & Research Centre,
Sarah Tucker college (Autonomous)

Tirunelveli - 627007.

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3. Subject Expert - I

Dr. N.M.T. Alhaji,

Associate Prof. of Chemistry,

Department of Chemistry,
Khadi Mohideen College,

Athirampattinam,

Tanjavur Dt. - 614701

4. Subject Expert - II

Dr. Mohamed Mustafa,

Associate Prof. & Head,

PG Department of Chemistry,

The New College,

Royapettai, Chennai - 600014.

5. Alumni :

Dr. M. Syed Ali Padusha,
Associate Professor,
Department of Chemistry,
Jamal Mohamed College,
Trichy - 620 020.

6. Industrialist .

Mr. M. Mohamed Iqbal,
Chemist,
Tuticorin Alkali Chemicals Ltd.,
Tuticorin - 628 005.

Members :

Dr. M. Sheik Muhideen Badhusha

Dr. P. Jeslin Kanaga Inba

Dr. P. Antony Danish

Dr. M. Thameem Ansari.

~~M. Chumbadu~~

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The Board of Studies for B.Sc. Chemistry met on 15.03.2021 at 10.00 a.m.
Venue: The Department of Chemistry, Sadakathullah Appa Collge.

Resolutions:

1. Resolved to approve the course structure under the CBCS pattern for the academic year 2021-2024.
2. Resolved to introduce the new courses and revise the syllabus as mentioned in the Annexure.
3. Resolved to approve the offering 12-Core Courses, 8-Core practical courses, 2-Skill Enhancement Courses, 2- NME Courses, 7-DSE Courses, and 4- Allied Courses, 4- Allied Practical Courses.
4. Resolved to approve the Massive Open Online Courses [MOOC] as skill enhancement course.

The following courses are offered as options under SEC-II:

- (i) Chemical Kinetics and Transition State Theory - 8 weeks
- (ii) Chemistry and Physics of Surfaces and Interfaces - 8 weeks.
- (iii) Pericyclic Reactions and Organic Photochemistry - 8 weeks
- (iv) Quantitative Methods in Chemistry - 8 weeks
- (v) Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem- solving Approach - 8 weeks

5. Resolved to implement the Scheme of Examination for the Practical Courses as follows:

CP1, CP2, CP3, CP4, A1-1P, A1-2P - 3 Hours.

A2-1P and A2-2P- 2 Hours.

CP5, CP6, CP7 and CP8 - 6 Hours.

6. Resolved to conduct external examinations with a duration of 2 hours for Skill Enhancement Courses & Non-Major Courses.
7. Resolved to approve the list of Question Setters and Examiners for UG Major and Allied Chemistry Courses.

A. Syed Md

BOS - Chairperson

CHAIRMAN / CHAIRPERSON

DEAN OF SCIENCES

PRINCIPAL



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Annexure - I

Department of Chemistry (UG)

The Board of Studies of Department of Chemistry (UG) was held on 15.03.2021 for the approval of 2021-2024 syllabus. The number of new courses, courses focussing on Skill Development / Employability / Entrepreneurship, the percentage of revision are mentioned below.

New Courses introduced

S. No.	Title of the Course	Course Code
1	Applied Chemistry I	21UNCH31
2	Applied Chemistry II	21UNCH41
3	Industrial Chemical Analysis (Practical)	21UCCH4P1
4	Allied Physics Practical - II	21UAPH4P1
5	Industrial Chemical Processes	21USCH42
6	Emerging Trends in Chemistry	21UECH61A
7	Environmental Chemistry	21UECH61C
8	Chemistry of Materials	21UECH51B

Courses focused on Skill Development / Employability / Entrepreneurship

S. No.	Title of the Course	Course Code	Category
1.	Methodology of Practicals	21UCCH12	Employability
2.	Inorganic Quantitative Analysis I	21UCCH1P1	Skill Development
3.	Analysis of Carbohydrates and Fatty Acids	21UABC1P1	Skill Development
4.	Organic Chemistry I	21UCCH21	Employability
5.	Preparation of Organic Compounds and Determination of physical Constants	21UCCH2P1	Skill Development
6.	Analysis of Amino Acids and Proteins	21UABC2P1	Skill Development
7.	Inorganic Quantitative Analysis and Preparation of Inorganic Complexes	21UCCH3P1	Skill Development
8.	Industrial Chemical Analysis	21UCCH4P1	Skill Development
9.	Industrial Chemical Processes	21USCH42	
10.	Spectroscopy	21UCCH53	Employability
11.	Physical Chemistry Practical	21UCCH5P1	Skill Development
12.	Gravimetric Analysis and Inorganic Mixture Analysis	21UCCH5P2	Skill Development





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13.	Polymer Chemistry	21UECH51A	Employability
14.	Food Chemistry	21UECH51C	Employability
15.	Instrumental methods of Analysis	21UECH52A	Employability
16.	Organic Analysis and Preparation of Organic Compounds	21UCCH6P1	Skill Development
17.	Chromatography and Green Synthesis	21UCCH6P2	Skill Development
18.	Dairy Chemistry	21UECH61B	Employability
19.	Project	21UECH62	Skill Development
20.	Chromatography	21USCH61	Employability

Percentage of Revision

S. No.	Courses	Course Code	Percentage %
1.	Inorganic Chemistry I	21UCCH11	20%
2.	Methodology of Practicals	21UCCH12	30%
3.	Inorganic Quantitative Analysis	21UCCH1P1	20%
4.	Analysis of Carbohydrates and Fatty Acids	21UABC1P1	25%
5.	Organic Chemistry I	21UCCH21	30%
6.	Physical Chemistry I	21UCCH22	50%
7.	Biochemistry II	21UABC21	20%
8.	Preparation of Organic Compounds and Determination of Physical Constants	21UCCH2P1	20%
9.	Analysis of Amino acids and Proteins	21UABC2P1	30%
10.	Inorganic chemistry II	21UCCH31	30%
11.	Allied Chemistry I	21UAPH31	20%
12.	Inorganic Quantitative Analysis and Preparation of Inorganic Complexes	21UCCH3P1	40%
13.	Industrial Chemical Processes	21USCH42	50%
14.	Allied Chemistry II	21UNCH41	80%
15.	Industrial Chemical Analysis	21UCCH4P1	100%
16.	Chemical Analysis	21UAPH4P1	100%
17.	Inorganic Chemistry III	21UCCH52	40%
18.	Spectroscopy	21UCCH53	10%
19.	Polymer Chemistry	21UECH51A	20%





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20.	Instrumental Methods of Analysis	21UECH52A	20%
21.	Physical Chemistry Practical	21UCCH5P1	15%
22.	Physical Chemistry III	21UCCH62	20%
23.	Emerging Trends in Chemistry	21UECH61A	100%
24.	Diary Chemistry	21UECH61B	20%
25.	Chromatography	21USCH61	10%
26.	Organic Analysis and Preparation of Organic Compounds	21UCCH6P1	20%
27.	Chromatographic Techniques and Green Synthesis	21UCCH6P2	75%
28.	Applied Chemistry I	21UNCH31	100%
29.	Applied Chemistry II	21UNCH41	100%

Total Percentage of Revision: 28.25%

Total number of Courses: 43



PRINCIPAL

