

केरल केन्द्रीय विश्वविद्यालय

Central University of Kerala

DEPARTMENT OF CHEMISTRY

Minutes of the Board of Staffen (BoS) meeting in Chemistry (through online) which was being on 08.07,2620.

Sembers Present

- Prof. A. Sakthivel, Professor & Head, Department of Chemistry (Bob, Chairperson
 Prof. T. P. Radhakrielman, Professor, School of Chemistry, University of Hydratus
- (Expert member) · Prof. Balakrishna Kullur
- (Expert member)
- Dr. Guari C., Scientist-G, VSSC Triv
- Prof. T.Mohan Das, Professor & Head, Department of Chemistry, Central United Tamil Nada (Expert member)
- Prof. M. R. Profrapactumbs Kurup, Deur, School of Physical Sciences (BoS, Me
- Dr. Swapna Nair, Holb, Department of Physics (BoS, Mumber)
 Dr. Deepa Janandanan, Assistant Professor, Department of Chemistry (BoS, Mar.)
- Dr. Blini Goorge, Assistant Professor, Department of Chemistry (Special invitor)
 Dr. Ravikamar Kanaparthi, Assistant Professor, Department of Chemistry (Special
- Dr. M. Bhagiyalakshmi, Assistant Professor, Department of Ch.
- The BoS was conducted through unline mode to discuss and finalize the follo

Agenda 1: To consider the eligibility of non-mathematic students for our M.Sc. admission

Mammid: Every year we have been receiving so many applications for M.Sc. (Chemistry) from warious states of India. Several of the applicants had B.Sc. (Chemistry) with boarsy and soulings an antillary subject. All present, we have kept mathematics in B.Sc. level is assortized critical and if a bould be one of the smilliery subject. Several times we work small be saintiful.



successed Chemistry, Edited by David G Watton ISS: PAD POCI Render in successful Sciences, Serubalyde Institute of Pharmacy and Biomedical Sciences, School armacy, University of Studieshyde, Glasgow, UK, Charchill Listingstone, Elsevier 2011.

(C) Molecular Flancescence; Principles and Applications (CHE 5816)

Fandamental of Phenochemistry - KK Rehugi Makhurjee, New Age Publish offsion, ISBN-10: 8122434536.



10.	One and two dimensional NMR spectroscopy for chemistry	Prof. N. Suryaprokash	IISc Bangalore	12	3
	A 4 P	400			

Recommendations:

(j) Instead of one elective course currently offered by the department in the 1rd somestic, on more decivic course may be offered so that there are two decivic courses in the 3rd somested from the current tenselser crowards. Students can take two or more electives, as per the experiments in the following semester; i.e., 4rd semester, Out of the two electrics in the 1rd semester, students may be permitted to take at most one from awang the MOOCs available.

(2) The proposed 10 MOCC courses are approved for the current \mathcal{Y}^{θ} correster, where a of them from the available 10 inted courses can be classen by the student.

(3) The students should take the consent of the Memor & 100D before selecting the MOOK course from the Text mentioned above.

Agenda 3: Minimum credit limit for MSc chemistry course - regarding

Reason(x): Currently we have first bital number of croftle for M.Sc. as 72 (66 com = 12 cleative) as the minimum number of croftle required for the award of M.Sc. (Chrominy), of which each semester, the minimum could lain it fooders 30. The croft from first each assesser may be re-fixed as 20 cors and the red can be sequired from except countries. The BoS may reconnected the sums.

Recommendations

Students can acquire a maximum of 28 credes from the core natures per sensester, it maximum credits that can be earned from core and elective courses per sensester will be 30.

Additional Suggestions from BoS:

- A Name Course "Mathematics for Commun" (course translating) may be attributed to provide adequate mathematics background for all M.Sa. Chemistry students for an offsetive understanding of the various beauties of chemistry; this would require terms! (i) A have course "Mathematics for
- silficative features are supported by the support of the support o



After thorough discussions, BoS recommended that conditions with it So, degree (with Chemistry on nealor and efficil subjects as meditary) may be consistent for administer to with MSC. Chemistry programs from the next nearburity year constable. The review of slightly inventible based on the recommendation of Bods double to in follows:

"BSC. Degree with a uniform of 55% marks or equivalent grade in aggregate and also for solvene subjects, mith. Chemistry as the main or mor of the main malester, besided in the 2-2 chapters). Up to 5.5 variation in the minimum requirement of marks by granted to SCST considerates.

Agenda 2 Students may await electrice courses (fisted below) and also MOCC crame through SWAYAM portal (as recommended by the department faculty cosmol).

Remotes: Recently Department of Committy has introduced several elective courses and the details about the course title and course content are as follows: (a) Crestallography (CHE5814)

drugus Smillig and to the Smillig and the Smillig Smil

(b) Pharmacourical Chemistry (CHE 8015)

Bond type and bond strength, Hydrocarbons, Amines, Neutral and acidic nitrogen compound



Modevalor Flaurescence Priocydes and Applications - Bernard Valeur, Wing-V Verlag Guthit ISBN: 3-527-29919-X (Harkover); 3-527-60004-8 (Historici);
 Principles of Flaurescence Spectroscopy - Joseph R. Lakowicz, Springer Pathial 3rd edition, ISBN 978-0-387-40-312-4.

mently all the above mentioned elective papers were thought in the second year of the request Bob is agencie the following.

(a) Execute course, the best of the properties o in the 2rd semester criwards. In addition, stude courses from SWAYAM portal through MOOR

SL No.	Course Name	Course Coordinator	Institute	Duration of the Course (weeks)	Credit
36	Unvironmental Chemistry	Prof. AK Illukshi	Dehi University	15	4
2.	Formic Chemistry and Explosives	Prof. AK Gopta	SHEATS, Allabated	15	4
3.	Bioorganic & Biophysical Chemistry	Prof. AK Hhakshi	Delhi University	15	Ä.
4.	Research Ethics	Mr. Manoj Kumar K.	INFLIBNET Centre, Gajarat	15	+
.5.	Research Methodology	Prof. Bajpai	National Low University	15	4
.6.	Academic Writing	Dr. Ajay Senalty	HNB Garbwal University	15	41
7.	Biomass Characterization	Prof. A. Arurkumar	Central University of Kerala	15	4.
8.	Hiophysical Chemistry	Prof. Pranti Kumar Chowlhury,	IIT-Debi	12	3:
*	Laser: Fundamentals & Applications	Peuf, Manberdra Chandra	IIT-Kampar	4	2



CHE 5015 Pharmaceutical Chemistry

Bond type and bond strength, Hydrocarbons: alkanes, alkenes, aromatic and alkylhalides, Amines, Neutral and acidic nitrogen compounds, Oxygen- and sulphur-containing functional groups

Protein structure and its relevance to drug action, DNA structure and its importance to drug action, Drug absorption, distribution, metabolism and excretion.

Structure, activity and drug design, Drugs affecting the adrenergic system, Drugs exerting non-adrenergic effects on cardiac output and vascular tone, Drugs interacting with mammalian enzymes

Central nervous system depressants, Analgesics, Local anaesthetics, Anticholinergic agents, Antihistamine drugs, CNS stimulants and CNS-active drugs affecting the serotonergic system, Drugs affecting the endocrine system

Anticancer drugs, Antimicrobial chemotherapy, Antiviral drugs, Antifungal chemotherapy, Antiparasitic drugs, Vitamins and minerals, Biotechnologically produced products, Drug and gene delivery systems, The tonic and toxic effects of alcohol and its metabolites

References

Pharmaceutical Chemistry, Edited by David G Watson BSc PhD PGCE Reader in Pharmaceutical Sciences, Strathclyde Institute of Pharmacy and Biomedical Sciences, School of Pharmacy, University of Strathclyde, Glasgow, UK, Churchill Livingstone, Elsevier 2011