



AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

MINUTES

20th ACADEMIC COUNCIL MEETING

DATE : 11th March 2022

TIME : 10:00 AM

VENUE : Conference Room, Academic Block 'B'
AUMP Campus, Gwalior

MINUTES OF THE 20th ACADEMIC COUNCIL MEETING OF AMITY UNIVERSITY
MADHYA PRADESH, HELD ON 11th MARCH 2022

1. The 20th meeting of the Academic Council of Amity University Madhya Pradesh (AUMP) was held on 11th March 2022 at 1000 hours in Conference Room, Academic Block 'B', AUMP Campus in Physical Mode. The meeting was presided by Lt Gen V K Sharma, AVSM (Retd), the Hon'ble Vice Chancellor and Chairman of Academic Council, AUMP, Gwalior.
2. The Agenda Points proposed to be discussed during the meeting, were earlier circulated to all members, and are attached as **Appendix - 1**. The list of Members of Academic Council of Amity University Madhya Pradesh present in the meeting is attached as **Appendix - 2**. The Academic Council then proceeded to discuss the agenda points. The details of discussion are given in the succeeding paragraphs.
3. **Agenda No. 1: Welcome Address by Chairman.**
 - (a) The Hon'ble Vice-Chancellor of the University and Chairman of Academic Council extended a warm welcome to all the Academic Council Members for the 1st Academic Council Meeting (ACM) of the year. He mentioned that the Academic Council meeting is mother of all meetings as the entire planning, be it Academics, Examination, Events, book and lab requirement, infrastructure, manpower requirement, curriculum design are approved in the said meeting and therefore it is the most important meeting. Two ACM meetings are planned and organized religiously in the University in a year. He briefed about the academic and administrative achievements, effective handling of the COVID 19 conduct of online classes and examinations, training program etc. Hon'ble Chairman of the Academic Council emphasized on quality education with foresight planning for the Research, Innovation and leadership development, he requested all HOIs that they need to think where the respective department headed and how we can successfully arrive, make conscious efforts and plan gradually for required improvement in the concerned department.

- (b) He requested all HOIs that their departments are required to go take necessary initiatives for the funding from various agencies for the Research, projects, patents and publication and should liaise for the funding from different agencies.
- (c) He said, to achieve academic excellence and to stay in sync. with the institutes of national importance, we should have some more tie-ups with IITs, NITs, IISR, ISRO and DRDO etc., we will also have to make the necessary changes in the syllabus of the courses being offered by the AUMP to cater to the need of contemporary technology perspective and as per syllabus as being followed by the IITs and IIMs.
- (d) He emphasized on the timely submission of desired information as asked by office of the Hon'ble Chancellor pertaining to accreditation, so that data should be ready at our end in order to ensure timely onward submission.
- (e) Hon'ble Vice Chancellor instructed all HOIs to pay more attention and emphasis on practical training and experiments in the lab. He advised for optimum utilization of the labs to make the students competent with the expected needs of the market and job providers.
- (f) Hon'ble Vice Chancellor further focused on timely planning for the Non Teaching Credit Courses (NTCC) and ensure that NTCC is done properly.
- (g) Hon'ble Vice chancellor requested all HOIs to maintain the social media account of AUMP wrt Face Book, Instagram, Twitter, LinkedIn and YouTube Channel. We need to promote these with positive content. All our students, research scholars, faculty members and staff, should like, subscribe, follow and share the contents to enhance our visibility and outreach, Director, ASCO was requested to send the links for the same to all HOIs. He also instructed that every event's news be published in the news papers for the same proper follow up and emails should be sent in case, the event's news not published in News Paper. He also instructed that all major achievements and events should be uploaded on Amizone being promotional part of University Outreach.
- (h) In the AC meeting, the target of 1800 students has been set by the Hon'ble Chairman for the year 2022-23. For promotional webinar and activities, we should involve outsiders, which will be important step and initiative to enhance the University Outreach in view of the fact that admission process is an important and time bound activity.

(i) Hon'ble Vice Chancellor instructed all HOIs and Department's Heads that there is no provision of reserved peon for any particular department, replacement of peon on absence of existing peon may not be asked by any department.

(j) After that Hon'ble Vice Chancellor requested the Registrar to present the agenda items. Then the next agenda items were taken up for the discussion.

4. **Agenda No. 2 : Ratification of Minutes of 19th Academic Council Meeting held on 10th September 2021.** The Minutes of the last Academic Council Meeting held on 10th September, 2021, were briefed to the members by the Registrar. The minutes were ratified by the members and are attached as **Appendix - 3.**

5. **Agenda No. 3 : Approval of Minutes of Board of Studies Meetings held in Jan/Feb. 2022 of various institutes/schools of AUMP.**

Minutes of Board of Studies (BoS) meetings of various Institutes/School held in Jan/Feb 2022 including all the amendments made in the syllabus, course structure, credits etc were briefed the members by all HOIs.

(a) Amity Institute of Biotechnology (AIB). Prof. Dr. R. S. Tomar, Director AIB and Dean (Academics) informed about the BoS meeting that was held on 24th Feb 2022, and minutes of the meeting were put up before the board. He informed the members about the changes made in syllabus, summary of changes is given below:

Current Syllabus					Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits			
B.Sc. (H) Biotechnology/ B.Sc.(H)-M.Sc. Biotechnology (Dual Degree) & B.Sc. Biology							
1	Introductory Biochemistry and Biophysics	Module I & II	BSB/BMB-201	04	Topic, "Classification of biomolecules" in module I and Topic "Water structure and buffer" in module II are included	No change	No change
2	Bioanalytical Techniques	Module I	BSB/BMB-202	3	Topic, "Light Microscopy" is added in module I	No change	No change
3	Biotechnology Lab - I	Module I	BSB/BMB-120	1	Cytological preparations to study plant /animal cell structure, Onion root tip and pollen squash preparation. Study of different stages of Mitosis and Meiosis are added.	No change	No change
4	Biotechnology Lab - II	Module I	BSB/BMB-220	1	Lab exercise "estimation of lipids" is added	No change	No change
5	Biotechnology Lab - III	Module III & IV	BSB/BMB-320	1	Lab exercise "Growth media for fungi and bacteria., Staining methods- simple staining, Gram endospore staining, fungal staining, negative staining. Identification of bacteria based on staining, shape and size, Bacterial growth curve and generation time of <i>E.coli</i> . Identification of pathogenic bacteria from sewage and waste water. Isolation and Identification of aquatic fungi from local water bodies" in module III and topic "spread plate" in module IV are added	No change	No change
6	Biotechnology - IV Lab	Module IV	BSB/BMB-420	2	Lab exercise "Enumeration of total WBC, RBC count in blood by hemocytometer, Enumeration of differential Leukocytes in blood sample are added.	No change	No change

7	Plant Sciences - I	Module I	BSB/ BMB- 103 & BSC 101	3/ 4	Topic, "History of Botany and Indian Contribution, Morphological Characteristics of lower plants." are added	No change	No change
8	Plant Sciences - II	Module III	BSB/ BMB- 203 & BSC 201	3/ 4	Topic: Morphological Characteristics of Angiosperms is added	No change	No change
9	Plant Sciences Lab - II	Module II	BSB/ BMB 222 & BSC 220	1/ 2	Lab exercise "Study of various types of leaves, inflorescence, flowers and fruits is added	No change	No change
10	Animal Sciences - I	Module V	BSB/BM B 104 & BSC 102	3/ 4	Topic: "Hemichordata: General Characteristics and relationship with nonchordates and chordates, External morphology (Balanoglossus), structure and significance of Tornaria Larva" are added	No change	No change
11	Animal Sciences Lab- I	Lab Courses	BSB/ BMB 123 & BSC 121	1/ 2	Lab Exercise "Study of digestive system of Prwan, Examination of pond water for study of different kinds of microscopic non-chordate organisms, Economic importance of any two insects and parasitic adaptation of any one parasite" are added	No change	No change
12	Animal Physiology - I	Module V	Course BSB/BM B 305& BSC 302:	3/ 4	Module V: Physiology of Reproductive System (Male, Female), Gametogenesis, Sperms and Eggs, Gene Bank, Sperm Bank, Superovulation, IVF, ET, ZIFT, ICSI, Placenta Banking are added	No change	No change
13	Animal Physiology Lab - I	Lab exercise	BSB/BM B 323 & BSC 321	1/ 2	Lab exercise: squash preparation of salivary gland chromosome is added	No change	No change
14	Animal Physiology- II	Module IV	BSB/BM B 405 & BSC 402	3/ 4	Topic "Fertilization, Frog Embryology, Tadpole Metamorphosis, Parthenogenesis and chick Embryology, Fate Map" are added	No change	No change

The Minutes of BoS meeting of AIB were approved by the Academic Council and are attached at **Appendix- 4.1.**

(b) Amity Business School (ABS). Prof. Dr. Anil Vashisht, Dy. Pro. VC and Director ABS informed about the BoS meeting that was held on 23rd Feb 2022, and minutes of the meeting were put up before the board. He informed the members about the changes made in syllabus, summary of changes is given below:

Current Syllabus				Proposed Charges/Modifications (addition in the Syllabus)
Sr. No.	Course/ Subject Name	Module of the syllabus	No. of credits	
1	BBA/ Managerial Economics	I	4	Addition: Significance and Evolution of Micro Economics, Functions of Managerial Economics.
		II		Addition: Theory of consumer surplus determinants of supply, Concept of Market equilibrium
		III		Addition: Element of Cost
		IV		Addition: Types of Market Structure
				Addition: Estimates and Analysis(GNP, NNP,GDP,HDI), Methods of measurement of National Income
				Addition: Theory of Rent, Theory of Interest, Theories of Profit.
2	BBA/ Managerial Economics for Business	II	4	Addition: Computerized accounting using any popular accounting software, creating a company, configure & features setting, creating accounting ledgers & groups, creating stock items & groups, vouchers entry (with maintenance of voucher), generating reports- cash book, ledger accounts, trail balance, profit & loss account, and balance sheet
		III		
5	B.COM(H)/ Financial Accounting - II	IV	4	Addition: Computerized accounting using any popular accounting software, creating a company, configure & features setting, creating accounting ledgers & groups, creating stock items & groups, vouchers entry (with maintenance of voucher), generating reports- cash book, ledger accounts, trail balance, profit & loss account, and balance sheet

7	BBA/ Management Foundations	I	3	Addition: Principles of Management, School & Thought of Management, Management in Indian Culture and Tradition, Function and Responsibilities of Management.
		II		Addition: Significance, Planning vs Forecasting, Strategies and Policies, significance, Planning for start-ups.
		III		Addition: Nature and Purpose of Organisation, process of organization, : types and relevance, line and staff relationship, Decentralization
		IV		Addition: recruitment sources
		VI		Addition: An overview of Strategic Management, SWOT Analysis, Future Management-Challenges and Skills.
8	BBA / Organisational Behaviour	III	3	Addition: Type, Maslow's theory of hierarchical needs, Herzberg's two factor theory, McClelland's theory of needs, McGregor's theory X and theory Y, Vroom's theory of expectancy
9	BBA/ International Business Management	III	3	Addition: Foreign trade Policy 2015-20

The Minutes of BoS meeting of ABS were approved and are attached at **Appendix-4.2.**

(c) Amity School of Engineering and Technology (ASET). Maj. Gen (Dr.) S C Jain VSM** (Retd), **Director ASET**, informed about the BoS that was held in Jan/Feb 2022 and minutes of the meeting were put up before the board. He informed the members about the changes made in syllabus, summary of changes Programme wise is given below:

(i) Department of Computer Science & Engineering:

M. Tech(CSE) Program:

There is no change in the scheme and syllabus of M.Tech (Computer Science &Engineering).

B. Tech(CSE) Program:

There is no change in the scheme and syllabus of B. Tech (CSE).

B. Tech (IT) Program:

There is no change in the scheme and syllabus of B. Tech (Information Technology).

MCA Program:

There is no change in the scheme and syllabus of MCA.

BCA Program:

There is no change in the scheme and syllabus of BCA.

BSc. (IT) Program:

There is no change in the scheme and syllabus of B.Sc.(IT).

Specialization:

- There is no change in the scheme and syllabus of AI & ML Specialization.
- There is no change in the detailed syllabus of Data Science Specialization.
- There is no change in the detailed syllabus of Internet of Things Specialization.
- **Introducing new Specialization course with title “Cyber Security”.**

Pre Ph.D. Course:

There is no change in the scheme and syllabus of the courses.

CBCS:

- There is no change in the existing scheme and syllabus of CBCS (Cloud Computing)
- There is no change in the existing scheme and syllabus of CBCS (Data Analytics)
- There is no change in the existing scheme and syllabus of CBCS (Network Security)
- There is no change in the existing scheme and syllabus of CBCS (Web Technology)
- There is no change in the existing scheme and syllabus of CBCS (IT Skills for Professionals)
- MOOC Courses are included in three courses as per the UGC guidelines (Cloud Computing, Data Analytics and Network Security) as per the following details.

S No.	Name of the Minor Track	MOOC Course by UGC	Course Code	Semester	Credits
1	CBA402 - Cloud Computing	Cloud Computing	4739	IV	4
2	CBB102-Introduction to Data Analytics	Desecrate Data Analytics	5726	I	3
3	CBC402 -Information and Network Security	Computer Network and Internet Protocol	4759	IV	4

The Minutes of BoS meeting of Dept. of Computer Science & Engineering, ASET were approved and are attached at **Appendix-4.3.1**

(ii) Department of Electronics & Communication Engineering:

B. Tech Programme

Summary of changes is given below: -

Current Syllabus					Proposed Changes/Modifications			
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits	Addition/deletion in the Syllabus	New Course Title	New Course Code	No. of Credits
1.	Fiber Optic Communication Lab	NA	ECE 721	1	Minor Modification in Experiments	No Change	No Change	No Change
2.	Mobile Communication	I, II, III & IV, V	ECE 707	3	Restructuring of Module, I & II, III & IV Addition of 4G, LTE communication in Module V	No Change	No Change	No Change
3	Electromagnetic Waves Lab	NA	ECE 521	1	Minor Modification in Experiments	No Change	No Change	No Change

M. Tech Programme:

There is no change in the scheme and syllabus of the course.

Pre Ph.D. Course:

There is no change in the scheme and syllabus of the course.

CBCS:

- There is no change in the scheme and syllabus of the course.
- The following course of SWAYAM is recommended to be given as CBCS "Embedded Systems" in the Batch 2022-2026.

S No.	Name of Minor Track	Semester/ CBCS Course Code/ Course Name	Name of course from SWAYAM	Duration	Credits
1	Embedded Systems	I/CBG102 Digital Electronics	Digital Electronic Circuits	12 Weeks	3

More than 70 % consistency/ similarity exist between the syllabus of course offered in the CBCS and MOOC course.

The Minutes of BoS meeting of Dept. of Electronics & Communication Engineering, ASET were approved and are attached at **Appendix-4.3.2**

(iii) **Department of Civil Engineering:**

Currents syllabus				Proposed Syllabus /Modification		
Sr. No.	Course Title	Old Course Code	No. of Credits	Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
1	-	-	-	Advanced Construction Management (Elective-I)	CEM 107	4
2	-	-	-	Green Building Construction Technology	CEM 207	4
3	Optimization Techniques	CEM 201	4	Optimization Techniques (Elective-II)	CEM 201	4
4	-	-	-	Geotechnical Earthquake Engineering	CEM 307	4
5	High Rise Building Analysis	CEM 303	4	High Rise Building Analysis (Elective-III)	CEM 303	4

Summary of the changes is given below (PhD):

Current Syllabus					Proposed Changes/Modification			
Sr. No.	Programme	Course Title	Old Course Code	No. of Credits	Addition/Deletion in the Syllabus	New Course Title	New Course Code	No of Credits
Optional (Discipline Specific Subject)								
i) Existing								
(1)	PhD (Civil)	Optimization Techniques	PCE 101	4				
(2)	PhD (Civil)	Foundation Engineering	PCE 102	4				
(3)	PhD (Civil)	Smart Materials & Techniques	PCE 103	4				
(4)	PhD (Civil)	Earthquake Resistant Design of Structure	PCE 104	4				
(5)	PhD (Civil)	Structural Health Monitoring	PCE 105	4				
(6)	PhD (Civil)	Advance Geotechnical Engineering	PCE 106	4				

(7)	PhD (Civil)	Finite Element Method	PCE 107	4				
ii) New Subjects Introduced								
(8)	PhD (Civil)				New Subject	Advanced Highway Engineering	PCE 108	4

The Minutes of BoS meeting of Dept. of Civil Engineering, ASET were approved and are attached at **Appendix-4.3.3.**

(iv) Department of Mechanical Engineering:

B. Tech Programme

There is a necessity to remove 1 credit theory subjects BME 101- Engineering Graphics & Design as well as BME 102 – Workshop/Manufacturing Practices and also to reduce the laboratory credits of BME 121 – Engineering Graphics & Design Lab and BME 122 – Workshop/Manufacturing Practices Lab from 2 to 1 due to some mismatch between the theory and lab. Engineering Graphics & Design and Workshop/Manufacturing Practices are offered as laboratory course only at Amity University Uttar Pradesh. Similarly, Workshop/ Manufacturing Practices Lab is offered as a laboratory course only in most of the universities/affiliated colleges.

M. Tech Programme:

There is no change in the scheme and syllabus of the course.

Pre Ph.D. Course:

There is no change in the scheme and syllabus of the courses.

CBCS:

There is no change in the scheme and syllabus of the course. Students have an option to do Robotics course under SWAYAM NPTEL instead of existing CBCS subject CBM 102 – Elements of Robotic System.

S. No.	Name of Minor Track	Semester	Course detail	Course ID	Credits
1	Elements of Robotic System (CBM 102)	First	Introduction to Robotics https://onlinecourses.nptel.ac.in/noc20_de11/preview	noc20_de11	3

All the aforesaid points have been approved by all the board members present in the meeting.

Summary of changes is given below:-

Existing					Proposed		
Sr. No	Program	Course Title	Old Course Code	No. of Credits	New Course Title	New Course Code	No. of Credits
1	B.Tech				Engineering Graphics & Design Lab	BME 123	1
2	B.Tech				Workshop/Manufacturing Practices Lab	BME 224	1
3	B.Tech	Engineering Graphics & Design	BME 101	1	Removed		
4	B.Tech	Workshop/Manufacturing Practices	BME 102	1			
5	B.Tech	Engineering Graphics & Design Lab	BME 121	2			
6	B.Tech	Workshop/Manufacturing Practices Lab	BME 122	2			

The Minutes of BoS meeting of Dept. of Mechanical Engineering, ASET were approved and are attached at **Appendix-4.3.4**

(v) Department of Applied Physics:

B. Tech Programme

The presented syllabus of the subjects to be offered by Department of Applied Physics to B. Tech. Programme for batch 2022 -2026 is well framed and requires no modifications. However, committee recommends addition of one experiment in PHY121 to align it with theory course i.e. PHY101.

CBCS

The presented Syllabus and scheme of CBCS-Nanotechnology is well framed and requires no modifications. In addition MOOC COURSE, "Nano materials and their Properties" is recommended for students of III sem as a choice.

S. No	Name of Minor Track	Semester	Name of course	Course-ID	Credits
1	Nanotechnology	III	Nano materials and their properties	noc21_mm38	3

Pre Ph. D Course:

The course codes of Pre Ph.D. course work is in accordance to UGC and needs no modifications.

Summary of changes:-

Current Syllabus				Proposed Changes/Modifications			
Sr. No.	Course Title	Course Code	No. of Credits	Addition in the Syllabus	Course Code	New Course Title	No. of Credits
1	Applied Physics Lab I	PHY 121	1	Experiment No. 11	No Change	No change	1

The Minutes of BoS meeting of Dept. of Applied Physics, ASET were approved and are attached at Appendix-4.3.5

(vi) Department of Applied Chemistry:

Module No.	B Tech CSE, ME, CIV, ECE, Biotech ASET (AUMP)	Addition to Existing Syllabus [AUMP]	Justification remark	Deletion from Existing Syllabus	Justification remark	Unified Syllabus CHE 101 Batch 2020-2024
1	Module I: Chemical Bonding & Chemical Equilibrium (8 Hours) Fajan's rule; Hybridisation. Valence bond and Molecular orbital theory for diatomic molecule.	(H ₂ , N ₂ & O ₂); Bond order & magnetic characters of these molecules.	MOT topics Specified	Le Chatelier's Principle; Equilibrium constant from Thermodynamic Constants; pH and pOH, Buffer Solution, Buffer Action	Shifted to Module II	Module I: Chemical Bonding (6 Hours) Fajan's rule; Hybridisation. Valence bond and Molecular orbital theory for diatomic molecule (H ₂ , N ₂ & O ₂); Bond order & magnetic

	Le Chatelier's Principle; Equilibrium constant from Thermodynamic Constants; pH and pOH, Buffer Solution, Buffer Action.					characters of these molecules.
2	<p>Module II: Thermodynamics (Use of free energy in chemical equilibria) (6 Hours)</p> <p>Thermodynamic functions: energy, entropy and free energy. Estimations of entropy and free energies. Free energy and emf. Cell potentials, the Nernst equation and applications. Corrosion: Prevention and corrosion control</p>	Le Chatelier's Principle; Equilibrium constant from Thermodynamic Constants; pH and pOH, Buffer Solution, Buffer Action	Topic has more connect with module II	NA	NA	<p>Module II: Thermodynamics & Chemical Equilibrium (Use of free energy in chemical equilibria) (8 Hours)</p> <p>Le Chatelier's Principle; Equilibrium constant from Thermodynamic Constants; pH and pOH, Buffer Solution, Buffer Action</p> <p>Thermodynamic functions: energy, entropy and free energy. Estimations of entropy and free energies. Free energy and emf. Cell potentials, the Nernst equation and applications. Corrosion: Prevention and corrosion control.</p>
3	<p>Module III: Stereochemistry, Organic reactions & mechanism (6 Hours)</p> <p>Symmetry and chirality, Isomerism; diastereomers, enantiomers, optical activity, absolute</p>	absolute configurations of one chiral carbons and conformational analysis of ethane.	Course content on absolute configurations of one chiral carbons and conformational analysis of ethane made more specific	NA	NA	<p>Module III: Stereochemistry, (6 Hours)</p> <p>Symmetry and chirality, Isomerism; diastereomers, enantiomers, optical activity, absolute configurations of one chiral carbons and</p>

	configurations and conformational analysis.					conformational analysis of ethane.
4	<p>Module IV: Polymers (6 Hours) Introduction; Polymerization; Addition and Condensation Polymerization. Thermosetting and Thermoplastic Polymers. Molecular Weight of Polymer; Rubber, Plastic and Fiber; Preparation, Properties and uses of PMMA, Polyester, Epoxy Resins and Bakelite, Silicone Polymers.</p>	NA	NA	NA	NA	<p>Module IV: Polymers (6 Hours) Introduction; Polymerization; Addition and Condensation Polymerization. Thermosetting and Thermoplastic Polymers. Molecular Weight of Polymer; Rubber, Plastic and Fiber; Preparation, Properties and uses of PMMA, Polyester, Epoxy Resins and Bakelite, Silicone Polymers.</p>
5	<p>Module V: Water Chemistry (6 Hours) Introduction and specifications of water, Hardness and its determination (EDTA method only), Alkalinity, Caustic embrittlement, Boiler feed water, boiler problems; scale, sludge, Carbonate & phosphate conditioning, colloidal conditioning & calgon</p>	NA	NA	NA	NA	<p>Module V: Water Chemistry (6 Hours) Introduction and specifications of water, Hardness and its determination (EDTA method only), Alkalinity, Caustic embrittlement, Boiler feed water, boiler problems; scale, sludge, Carbonate & phosphate conditioning, colloidal conditioning & calgon</p>

	treatment, Water softening processes; Lime - soda process, Ion exchange method. Water for domestic use.					treatment, Water softening processes; Lime - soda process, Ion exchange method. Water for domestic use.
6	Module VI: Introduction; Principles of spectroscopy; Laws of absorbance, IR: Principle, Instrumentation, Application UV : Principle, Instrumentation, Application NMR : Principle, Instrumentation, Application	NA	NA	NA	NA	Module VI: Instrumental Methods of analysis (8 Hours) Introduction; Principles of spectroscopy; Laws of absorbance, IR: Principle, Instrumentation, Application UV : Principle, Instrumentation, Application NMR : Principle, Instrumentation, Application

CHEMISTRY – I, Course Code BSC-103 , BSB 105, BMB 105 Semester I

Module No.	CHEMISTRY - I Course Code BSC-103, BSB 105, BMB 105	Addition to Existing Syllabus [AUMP]	Justification remark	Deletion from Existing Syllabus	Justification remark	CHEMISTRY - I Course Code BSC-103 BSB 105, BMB 105 Batch 2022-2025/27
1		<p>Basic Analytical Chemistry: Introduction to Analytical Chemistry and its interdisciplinary nature. Concept of sampling. Importance of accuracy, precision and sources of error in analytical measurements. Presentation of experimental data and results, from the point of view of significant figures, *statistical terms: mean, mean deviation, median, standard deviation, Numerical Problems.</p> <p>Calculations used in Analytical Chemistry Some Important units of measurements - SI Units, distinction between mass and weight, mole, milli mole</p>	<p>Course content is mapped as prescribed by Dept of Higher Education and Madhya Pradesh Private University Regulatory Commission, Bhopal *statistical terms: mean, mean deviation, median, standard deviation, Numerical Problems” The portion has not been included in proposed syllabus as it is in the course content of Mathematics paper with course code - BSB 102 .[Annex-XLVIII]</p>	NA	NA	<p>Module I: Basic Analytical Chemistry: Introduction to Analytical Chemistry and its interdisciplinary nature. Concept of sampling. Importance of accuracy, precision and sources of error in analytical measurements. Presentation of experimental data and results, from the point of view of significant figures.</p> <p>Calculations used in Analytical Chemistry Some Important units of measurements - SI Units, distinction between mass and weight, mole, milli mole and Numerical Problems. Solution and their concentrations -Concept of Molarity, molality and</p>

		<p>and Numerical Problems. Solution and their concentrations -Concept of Molarity, molality and normality. Expressing the concentration in parts per million (ppm), parts per billion (ppb), Numerical Problems. Chemical Stoichiometry- Empirical and Molecular Formulas, Stoichiometric Calculations, Numerical Problems.</p>				<p>normality. Expressing the concentration in parts per million (ppm), parts per billion (ppb), Numerical Problems. Chemical Stoichiometry- Empirical and Molecular Formulas, Stoichiometric Calculations, Numerical Problems.</p>
2	<p>Module I Chemical bonds and molecules, Shapes of simple molecules, bond energy, bond length, resonance and Hydrogen bond.</p>	<p>Chemical Bonding i. Ionic Bonding: General characteristics of ionic bonding. Ionic bonding & Energy: Lattice & solvation energies and their importance in the context of stability and solubility of ionic compounds. Statement of Born-Landé equation for calculation of lattice energy, Madelung constant, Born-Haber cycle and its applications. Covalent character in ionic compounds,</p>	<p>Course content is updated and mapped with syllabus prescribed by Dept of Higher Education and Madhya Pradesh Private University Regulatory Commission, Bhopal</p>	<p>Redefined the existing syllabus content</p>	<p>Course content of Module I of BSC-103 has been elaborated and specifically defined.</p>	<p>Module II: Chemical Bonding i. Ionic Bonding: General characteristics of ionic bonding. Ionic bonding & Energy: lattice & solvation energies and their importance in the context of stability and solubility of ionic compounds. Statement of Born-Landé equation for calculation of lattice energy, Madelung constant, Born-Haber cycle and its applications. Covalent character in ionic</p>

		<p>polarizing power and polarizability. Fajan's rules.</p> <p>ii. Covalent bonding: Lewis structure, Valence Bond theory (Heitler London approach). Hybridization – Concept, types (sp, sp^2, sp^3, dsp^2, d^2sp^3) with suitable examples of inorganic and organic molecules</p> <p>Ionic character in covalent compounds- dipole moment and percentage ionic character.</p> <p><i>Valence shell electron pair repulsion theory (VSEPR) theory:</i> Assumptions, need of theory, application of theory to explain geometries or shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements such as: NH_3, H_2O, SF_4, ClF_3, PCl_5, SF_6, ClF_5, XeF_4.</p> <p>Molecular</p>				<p>compounds, polarizing power and polarizability. Fajan's rules.</p> <p>ii. Covalent bonding: Lewis structure, Valence Bond theory (Heitler London approach). Hybridization – Concept, types (sp, sp^2, sp^3, dsp^2, d^2sp^3) with suitable examples of inorganic and organic molecules</p> <p>Ionic character in covalent compounds- dipole moment and percentage ionic character.</p> <p><i>Valence shell electron pair repulsion theory (VSEPR) theory:</i> Assumptions, need of theory, application of theory to explain geometries or shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements such as: NH_3, H_2O, SF_4, ClF_3, PCl_5, SF_6, ClF_5, XeF_4.</p>
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		<p>orbital (MO) concept of bonding The approximations of the theory, Linear combination of atomic orbitals (LCAO) (elementary pictorial approach) Rules for the LCAO method, bonding and antibonding Mos. Characteristics for s-s, s-p and p-p combinations of atomic orbitals, nonbonding combination of orbitals. MO diagrams of homonuclear diatomic molecules: H₂, Li₂, Be₂, Be₂, C₂, N₂, O₂, F₂, and their ions. Molecular orbitals of heteronuclear diatomic molecules: CO, NO, CN, HF.</p> <p>Bond parameters: Definition and factors affecting - bond orders, bond lengths, bond angles. Resonance and Hydrogen Bonding</p>				<p>Molecular orbital (MO) concept of bonding The approximations of the theory, Linear combination of atomic orbitals (LCAO) (elementary pictorial approach) Rules for the LCAO method, bonding and antibonding Mos. Characteristics for s-s, s-p and p-p combinations of atomic orbitals, nonbonding combination of orbitals. MO diagrams of homonuclear diatomic molecules: H₂, Be₂, N₂, O₂, F₂, and their ions. Molecular orbitals of heteronuclear diatomic molecules: CO, NO, CN, HF.</p> <p>Bond parameters: Definition and factors affecting - bond orders, bond lengths, bond angles. Resonance and Hydrogen Bonding</p>
3	<p>Module II Radioactivity: Natural and artificial, group displacement law, half-</p>			<p>Radioactivity: Natural and artificial, group displacement law, half-life period,</p>	<p>The topic was deleted to map with syllabus prescribed by Dept of Higher</p>	

	life period, binding energy, nuclear reaction equations, isotopes, tracers, radio dating, Application of radioactivity			binding energy, nuclear reaction equations, isotopes, tracers, radio dating, Application of radioactivity.	Education and Madhya Pradesh Private University Regulatory Commission, Bhopal	
4	Module III Periodic table: Modern periodic table, periodicity in properties of elements, atomic radii, ionic and covalent radii, ionization energies, electron affinity, electro-negativity	Effective nuclear Charge, shielding or screening effect Slater rules, variation of effective nuclear charge in periodic table.	Course content is redefined to match/mapped as per the directives of PURC for NEP			Module III: Periodic table: Modern periodic table. periodicity in properties of elements, atomic radii, ionic and covalent radii, ionization energies, electron affinity, electro-negativity. Effective nuclear Charge, shielding or screening effect Slater rules, variation of effective nuclear charge in periodic table.
5	Module IV Metallurgy of S block elements (Na, K, Be, Mg, Ca)	Elementary idea of the following properties of the elements with reference to s&p-block elements in periodic table. Detailed discussion of the following properties of the elements, with reference to s & p-blocks. • Ionization energy. Successive	Course content is updated and mapped with syllabus prescribed by Dept of Higher Education and Madhya Pradesh Private University Regulatory Commission, Bhopal	Metallurgy of S block elements (Na, K, Be, Mg, Ca)	Course content of Module IV of BSC-103 mapped as per the directives of PURC for NEP	Module IV: Elementary idea of the following properties of the elements with reference to s&p-block elements in periodic table. Detailed discussion of the following properties of the elements, with reference to s & p-blocks. • Ionization energy.

		ionization energy and factors affecting ionization energy. Applications of ionization energy. Electronegativity- Pauling's/ Mulliken's electronegativity scales. Variation of electronegativity with bond order, partial charge, hybridization.				Successive ionization energy and factors affecting ionization energy. Applications of ionization energy. Electronegativity- Pauling's/ Mulliken's electronegativity scales. Variation of electronegativity with bond order, partial charge, hybridization.
6	Module V Gases: Kinetic theory of gases, Vander Waal's equation, critical constants, Liquefaction of gases.	NA	NA	Gases: Kinetic theory of gases, Vander Waal's equation, critical constants, Liquefaction of gases.	Repetition of sr. sec of cbsc	
7	Module VI Chemical-Kinetics: Velocity of a reaction, Law of mass action; determination of rate constants for first and second order reactions, collision theory of bimolecular reactions. Catalysis: Promoters and Poisons, Enzyme catalysis.	Effect of temperature on rate of reaction, Arrhenius equation, concept of activation energy.	Course content is updated and mapped with syllabus prescribed by Dept of Higher Education and Madhya Pradesh Private University Regulatory Commission, Bhopal	NA	NA	Module V: Chemical Kinetics: Velocity of a reaction, Law of mass action; determination of rate constants for first and second order reactions, collision theory of bimolecular reactions. Effect of temperature on rate of reaction, Arrhenius equation, concept of activation energy. Catalysis: Promoters and

						Poisons, Enzyme catalysis.
8		Fundamentals of Organic Chemistry Structure, shape and reactivity of organic molecules: Physical Effects, Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugati on. Cleavage of Bonds: Homolysis and Heterolysis. Reactive Intermediates: Carbocations, Carbanions and free radicals. Nucleophiles and electrophiles	Course content is updated and mapped with syllabus prescribed by Dept of Higher Education and Madhya Pradesh Private University Regulatory Commission, Bhopal	NA	NA	Module VI: Fundamentals of Organic Chemistry Structure, shape and reactivity of organic molecules: Physical Effects, Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugati on. Cleavage of Bonds: Homolysis and Heterolysis. Reactive Intermediates: Carbocations, Carbanions and free radicals. Nucleophiles and electrophiles

CHEMISTRY LAB – I Course Code BSC 122, BSB 121, BMB-121

Module No.	CHEMISTRY Lab-I Course Code BSC 122, BSB 121, BMB-121	Addition to Existing Syllabus [AUMP]	Justification remark	Deletion from Existing Syllabus	Justification remark	CHEMISTRY - I Course Code BSC 122, BSB 121, BMB- 121 Batch 2022- 2025/27
Module I	Volumetric analysis: Oxidation-reduction titration using $KMnO_4$ and $K_2Cr_2O_7$	1. Importance of chemical safety and lab safety while performing experiments in laboratory 2. Calibration of different weights and glass apparatus (measuring cylinder, burette, pipette, volumetric flasks).	Experiments as per PURC and NEP guidelines has been introduced	NA	NA	Module I 1. Importance of chemical safety and lab safety while performing experiments in laboratory 2. Calibration of different weights and glass apparatus (measuring cylinder, burette, pipette, volumetric flasks).
Module II	Iodometry titrations: Estimation of sodium thiosulphate & potassium dichromate.	Preparation of solutions of different molarity/normality by weighing and dilution.	Experiments as per PURC and NEP guidelines has been introduced	Iodometry titrations: Estimation of sodium thiosulphate & potassium dichromate.	Shall be included in higher semesters of the same course	Module II Preparation of solutions of different molarity/normality by weighing and dilution.
Module III	Preparation of the following inorganic compounds: Prussian blue from iron filings, chrome alum, cuprous chloride and potassium trioxalatochromate.	Titrimetric Analysis 1. Standardization of NaOH with Oxalic acid. 2. Determination of Normality of given sample of oxalic acid using NaOH as secondary standard.	Experiments as per PURC and NEP guidelines has been introduced	Preparation of the following inorganic compounds: Prussian blue from iron filings, chrome alum, cuprous chloride and potassium trioxalatochromate.	Shall be included in higher semesters of the same course	Module III Titrimetric Analysis 1. Standardization of NaOH with Oxalic acid. 2. Determination of Normality of given sample of oxalic acid using NaOH as secondary standard.
Module IV	Determination of surface tension and viscosity of liquids	NA	NA	NA	NA	Module IV Determination of surface tension and viscosity of liquids

Module V	Heat of neutralisation of a strong acid and a strong base	Solubility curve of KNO ₃ or benzoic acid.	Included from Module VI of BSC 122, BSB 121, BMB-121	NA	NA	Module V Heat of neutralisation of a strong acid and a strong base Solubility curve of KNO ₃ or benzoic acid.
Module VI		Determination Boiling Point, Melting Point Purification by crystallization Purification by simple distillation	Experiments as per PURC and NEP guidelines has been introduced	Solubility curve of KNO ₃ or benzoic acid.	Shifted to Module V	Module VI Determination Boiling Point, Melting Point Purification by crystallization Purification by simple distillation

5D . CHEMISTRY – II Course Code BSC-203 BSB 205 BMB 205 Second semester

Module No.	CHEMISTRY - II Course Code BSC-203 BSB 205 BMB 205	Addition to Existing Syllabus [AUMP]	Justification remark	Deletion from Existing Syllabus	Justification remark	Unified Syllabus CHE 101 Batch 2022-2025
1	ORGANIC CHEMISTRY Module I Organic chemistry as chemistry of carbon compounds, Methods of purification, tests of purity: qualitative and quantitative elemental analysis, determination of molecular masses: calculation of Empirical and Molecular formula, Structural formula. Tetrahedral concept of carbon compounds; nomenclature of organic compounds;			Organic chemistry as chemistry of carbon compounds, Methods of purification, tests of purity: qualitative and quantitative elemental analysis, determination of molecular masses: calculation of Empirical and Molecular formula,	Moved to Chemistry- I [BSC-103, BSB 105, BMB 105]	

	Isomerism; stereo-isomerism, geometrical and optical isomerism.			Structural formula. Tetrahedral concept of carbon compounds; nomenclature of organic compounds; Isomerism; stereo-isomerism, geometrical and optical isomerism.	
2	<p>Module II Petroleum: Fractionation, cracking and synthetic petrol. General methods of preparation and properties of alkanes, alkenes, alkynes, Halogen substituted alkanes (CH₂Cl₂, CHCl₃, CCl₄, CHI₃), Electrophilic substitutions. General study of Cycloalkanes</p>	<p>Stereochemistry of Organic compounds: Concept of isomerism. Geometrical isomerism: Determination of configuration of geometric isomers. E & Z system of nomenclature, geometric isomerism in oximes and alicyclic compounds. Optical isomerism: Elements of symmetry, molecular chirality, enantiomers & their properties, stereogeniccentre, optical activity of enantiomers. Concept of chirality (up to two carbon atoms): chiral and achiral molecules with two stereogeniccentres, diastereomers, threo and erythro isomers, meso isomer, resolution of enantiomers, inversion, retention and racemization.</p>	Course content is updated and mapped with syllabus prescribed by Dept of Higher Education and Madhya Pradesh Private University Regulatory Commission, Bhopal		<p>Module I Stereochemistry of Organic compounds: Concept of isomerism. Geometrical isomerism: Determination of configuration of geometric isomers. E & Z system of nomenclature, geometric isomerism in oximes and alicyclic compounds. Optical isomerism: Elements of symmetry, molecular chirality, enantiomers & their properties, stereogeniccentre, optical activity of enantiomers. Concept of chirality (up to two carbon atoms): chiral and achiral molecules with two stereogeniccentres, diastereomers, threo and erythro isomers, meso isomer, resolution of enantiomers, inversion, retention and racemization.</p>

		<p>Relative and absolute configuration, sequence rules, D & L and R & S systems of nomenclature.</p> <p>Conformations and Conformational analysis</p> <p>Conformations Of ethane, butane and cyclohexane.</p> <p>Interconversion of Wedge Formula, Newman, Sawhorse and Fischer representations.</p>				<p>Relative and absolute configuration, sequence rules, D & L and R & S systems of nomenclature.</p> <p>Conformations and Conformational analysis</p> <p>Conformations Of ethane, butane and cyclohexane.</p> <p>Interconversion of Wedge Formula, Newman, Sawhorse and Fischer representations.</p>
3	<p>Module III</p> <p>Grignard reagent; preparation and uses, Alcohol; ethanol, propanol, glycerol Monocarboxylic acids and their simple derivatives, descriptive studies of dicarboxylic acids, viz. malic, oxalic, tartaric, maleic, General methods of preparation of aliphatic aldehydes and ketones, Keto-enol tautomerism; aceto-acetic ester and malonic ester.</p>	NA	NA	<p>Module III</p> <p>Grignard reagent; preparation and uses, Alcohol; ethanol, propanol, glycerol Monocarboxylic acids and their simple derivatives, descriptive studies of dicarboxylic acids, viz. malic, oxalic, tartaric, maleic, General methods of preparation of aliphatic aldehydes and ketones, Keto-enol tautomerism; aceto-acetic ester</p>	It will be included in upcoming/higher semesters.	

				and malonic ester.		
4	<p>Module IV Chemical equilibrium: Reversible reactions, equilibrium law, equilibrium constant, factors influencing equilibrium states.</p>	<p>Chemical Equilibrium: Equilibrium constant and free energy, concept of chemical potential, Thermodynamic derivation of law of chemical equilibrium. Temperature dependence of equilibrium constant; Van't Hoff reaction isochore, Van't Hoff reaction isotherm. Le-Chatelier's principle and its applications.</p>	<p>Course content of Module IV of BSC-203</p> <p>has been elaborated and specifically defined as per PURC and NEP guidelines.</p>	NA	NA	<p>Module II Chemical Equilibrium: Equilibrium constant and free energy, concept of chemical potential, Thermodynamic derivation of law of chemical equilibrium. Temperature dependence of equilibrium constant; Van't Hoff reaction isochore, Van't Hoff reaction isotherm. Le-Chatelier's principle and its applications.</p>
5		<p>Ionic Equilibria: Strong, moderate and weak electrolytes, degree of ionization, factors affecting degree of ionization, ionization constant and ionic product of water. Common ion effect. Salt hydrolysis-calculation of hydrolysis constant, degree of hydrolysis and pH for different salts. Solubility and solubility product of sparingly soluble salts - applications of solubility product.</p>	<p>Course content of Ionic Equilibria has been introduced as Module III of BSC-203</p> <p>as per PURC and NEP guidelines.</p>	NA	NA	<p>Module III Ionic Equilibria: Strong, moderate and weak electrolytes, degree of ionization, factors affecting degree of ionization, ionization constant and ionic product of water. Common ion effect. Salt hydrolysis-calculation of hydrolysis constant, degree of hydrolysis and pH for different salts. Solubility and solubility product of sparingly soluble salts - applications of solubility product.</p>
6		<p>Chromatography I: Introduction, Principle and Classification. Mechanism of separation:</p>	<p>Course content of Chromatography as per</p>	NA	NA	<p>Module IV: Chromatography I Introduction, Principle and Classification. Mechanism of</p>

		adsorption, partition & ion-exchange. Development of chromatograms: frontal, elution and displacement methods. Paper Chromatography (ascending, descending and circular), Thin Layer Chromatography (TLC) and Column Chromatography (CC),	PURC and NEP guidelines has been introduced as Module IV & V of BSC-203			separation: adsorption, partition & ion-exchange. Development of chromatograms: frontal, elution and displacement methods. Paper Chromatography (ascending, descending and circular), Thin Layer Chromatography (TLC) and Column Chromatography (CC),
7	<p>Module V Electrochemistry: Electrolysis, laws of electrolysis, ionisation constant, specific, equivalent and molecular conductance, common ion effect; Hydrogen ion concentration, pH value, Theory of acid base indicators, buffer solutions, hydrolysis of salts and solubility product simple calculations based on these concepts.</p>	<p>Gas Chromatography (GC) and High Pressure Liquid Chromatography (HPLC), types of column and column selection, applications, limitations. Principle and Applications of:</p> <ul style="list-style-type: none"> • Flash chromatography, • Ion-exchange chromatography and • Chiral chromatography. 	<p>Course content Chromatography as per PURC and NEP guidelines. has been introduced as Module IV & V of BSC-203</p>	<p>Electrochemistry: Electrolysis, laws of electrolysis, ionisation constant, specific, equivalent and molecular conductance, common ion effect; Hydrogen ion concentration, pH value, Theory of acid base indicators, buffer solutions, hydrolysis of salts and solubility product simple calculations based on these concepts.</p>	<p>Shall be included in higher semesters of the same course</p>	<p>Module V: ChromatographyII Gas Chromatography (GC) and High Pressure Liquid Chromatography (HPLC), types of column and column selection, applications, limitations. Principle and Applications of:</p> <ul style="list-style-type: none"> • Flash chromatography, • Ion-exchange chromatography and • Chiral chromatography.

CHEMISTRY – II, Course Code BSC 222, BSB 221, BMB 221 Lab – second semester

Module No.	CHEMISTRY Lab - II Course Code BSC 222, BSB 221, BMB 221	Addition to Existing Syllabus [AUMP]	Justification remark	Deletion from Existing Syllabus	Justification remark	CHEMISTRY - I Course Code BSC 222, BSB 221 BMB 221 Batch 2022-2025/27
Module I	Qualitative analysis of inorganic mixtures, containing not more than four ionic species (excluding insoluble substances) out of the following: Pb ²⁺ , Hg ²⁺ , Hg ₂ ²⁺ , Ag ¹⁺ , Bi ³⁺ , Cu ²⁺ , Cd ²⁺ , As ³⁺ , Sn ²⁺ , Sn ⁴⁺ , Fe ²⁺ , Fe ³⁺ , Al ³⁺ , Co ²⁺ , Ni ²⁺ , Mn ²⁺ , Zn ²⁺ , Ba ²⁺ , Sr ²⁺ , Ca ²⁺ , Mg ²⁺ , NH ₄ ¹⁺ , K ¹⁺ , CO ₃ ²⁻ , S ²⁻ , SO ₃ ²⁻ , NO ₂ ¹⁻ , CH ₃ COO ¹⁻ , F ¹⁻ , Cl ¹⁻ , Br ¹⁻ , I ¹⁻ , NO ₃ ¹⁻ , SO ₄ ²⁻ , C ₂ O ₄ ²⁻ , PO ₄ ³⁻ , BO ₃ ³⁻ .	NA	NA	NA	NA	Module I Qualitative analysis of inorganic mixtures, containing not more than four ionic species (excluding insoluble substances) out of the following: Pb ²⁺ , Hg ²⁺ , Hg ₂ ²⁺ , Ag ¹⁺ , Bi ³⁺ , Cu ²⁺ , Cd ²⁺ , As ³⁺ , Sn ²⁺ , Sn ⁴⁺ , Fe ²⁺ , Fe ³⁺ , Al ³⁺ , Co ²⁺ , Ni ²⁺ , Mn ²⁺ , Zn ²⁺ , Ba ²⁺ , Sr ²⁺ , Ca ²⁺ , Mg ²⁺ , NH ₄ ¹⁺ , K ¹⁺ , CO ₃ ²⁻ , S ²⁻ , SO ₃ ²⁻ , NO ₂ ¹⁻ , CH ₃ COO ¹⁻ , F ¹⁻ , Cl ¹⁻ , Br ¹⁻ , I ¹⁻ , NO ₃ ¹⁻ , SO ₄ ²⁻ , C ₂ O ₄ ²⁻ , PO ₄ ³⁻ , BO ₃ ³⁻ .
Module II	Purification of Organic compounds by crystallization (from water or alcohol) and distillation.	Elemental analysis of organic compounds (non-instrumental)		Purification of Organic compounds by crystallization (from water or alcohol) and distillation.	Shifted to BSC-122 to match the course content	Module II Elemental analysis of organic compounds (non-instrumental)
Module III		Qualitative identification of functional group of organic compounds – CHO, C=O, -COOH, Ester, Phenol,				Module III Qualitative identification of functional group of organic compounds – CHO, C=O, -COOH, Ester, Phenol, Amine, amides, Alcohols.

		Amine, amides, Alcohols.				
Module IV		Chromatography: 1. Identification by determination of the Rf values of the given organic/inorganic compounds by paper chromatography 2. Identification by determination of the Rf values of the given organic/inorganic compounds by thin layer chromatography				Module IV Chromatography: 1. Identification by determination of the Rf values of the given organic/inorganic compounds by paper chromatography 2. Identification by determination of the Rf values of the given organic/inorganic compounds by thin layer chromatography
Module V		Separation of two component mixture using Column chromatography				Module V Separation of two component mixture using Column chromatography

Changes in credits of courses

OLD SCHEME							From Session 2022-23 onwards			
Sr. No.	Programme	Semester	Course Title	Old Course Code	No. of Credits	New Course Title	New Course Code	No. of Credits		
1.	B.Tech	First Semester	Applied Chemistry	CHE - 101	4	No Change	No Change	No Change		
2.	B.Tech	First Semester	Applied Chemistry Lab	CHE -121	1	No Change	No Change	No Change		
3	BSc (Biology)	First Semester	Chemistry - 1	BSC-103	5	No Change	No Change	4		
4	BSc (Biology)	First Semester	Chemistry Lab - 1	BSC-122	2	No Change	No Change	2		
5	BSc (Biology)	Second Semester	Chemistry - 2	BSC-203	5	No Change	No Change	4		
6	BSc (Biology)	Second Semester	Chemistry Lab - 2	BSC-222	2	No Change	No Change	2		
7	BSc (H) Biotech	First Semester	Chemistry - 1	BSB-105	3	No Change	No Change	4		
8	BSc (H) Biotech	First Semester	Chemistry Lab - 1	BSB-121	1	No Change	No Change	2		
9	BSc (H) Biotech	Second Semester	Chemistry - 2	BSB-205	3	No Change	No Change	4		
10	BSc (H) Biotech	Second Semester	Chemistry Lab - 2	BSB-221	1	No Change	No Change	2		
11	Dual Degree	First Semester	Chemistry - 1	BMB-105	3	No Change	No Change	4		
12	Dual Degree	First Semester	Chemistry Lab - 1	BMB-121	1	No Change	No Change	2		
13	Dual Degree	Second Semester	Chemistry - 2	BMB-205	3	No Change	No Change	4		
14	Dual Degree	Second Semester	Chemistry Lab - 2	BMB-221	1	No Change	No Change	2		

OLD SCHEME						From Session 2022-23 onwards			
Sr. No.	Programme	Semester	Course Title	Old Course Code	No. of Credits	New Course Title	New Course Code	No. of Credits	
15	CBCS Course	First Semester	Introduction to Chemicals in daily life	CBP 102	3	No Change	No Change	No Change	
16	CBCS Course	Second Semester	Introduction to Adulteration	CBP 202	3	No Change	No Change	No Change	
17	CBCS Course	Third Semester	Adulteration: Legal Concepts/ MOOC - Novel Technologies for Food Processing and Shelf-Life Extension https://onlinecourses.nptel.ac.in/noc22_ag03/preview	CBP 302	3	No Change	No Change	No Change	
18	CBCS Course	Fourth Semester	Medical Aspects of Adulteration: Human Health & Ecosystem	CBP 402	4	No Change	No Change	No Change	
19	CBCS Course	Fifth Semester	Adulteration Chemistry: Diagnosis & Remedies	CBP 502	4	No Change	No Change	No Change	
20	CBCS Course	Sixth Semester	Project work	CBP 602	1	No Change	No Change	No Change	
21	Pre PhD	First Semester	Advance Spectroscopic Methods	PCH 104	4	No Change	No Change	No Change	
22	Pre PhD	First Semester	Quantitative Analysis & Separation Techniques	PCH 105	4	No Change	No Change	No Change	

The Minutes of Bos meeting of Dept. of Applied Chemistry, ASET were approved and are attached at **Appendix-4.3.6**

(vii) Department of Applied Mathematics:

Exiting Syllabus					Proposed Syllabus			
Sr. No	Program	Course Title	Old Course Code	Credits	Addition/deletion in the Syllabus	New Course Title	New Course Code	Credits
1	B.Tech. (All Branches)	Applied Mathematics-I (Calculus and Linear Algebra)	MAT-101	4	Syllabus reviewed	No Change	No Change	No Change
2	B.Tech. (All Branches)	Applied Mathematics - II (Ordinary & Partial Differential Equations and Transforms)	MAT 201	4	Syllabus reviewed	No Change	No Change	No Change
3	B.Tech. (All Branches)	Applied Mathematics-III (Probability, Statistics and Numerical Methods)	MAT 301	3	Syllabus reviewed	No Change	No Change	No Change
4	BCA	Mathematics -I	MAT 102	4	Syllabus reviewed	No Change	No Change	No Change
5	BCA	Mathematical Foundations of Computer Science	MAT 203	4	Syllabus reviewed	No Change	No Change	No Change
6	BCA	Computer Oriented Statistical & Optimization Methods	MAT 302	4	Syllabus reviewed	No Change	No Change	No Change
7	BCA	Computer Oriented Numerical Methods	MAT 401	4	Syllabus reviewed	No Change	No Change	No Change
8	B. Tech(BT)	Applied Mathematics-I	BTB 101	4	Syllabus reviewed	No Change	No Change	No Change
9	B. Tech(BT)	Applied Mathematics-II	BTB 201	4	Syllabus reviewed	No Change	No Change	No Change
10	B.Sc. (Hons.)(Biotech))	Mathematics and BioStatistics	BSB 102	4	Syllabus reviewed	Mathematics and BioStatistics	No Change	No Change
11	B.Sc. +M.Sc. (Biotech)	Mathematics and BioStatistics	BMB 102	4	Syllabus reviewed	Mathematics and BioStatistics	No Change	No Change
12	B.Sc. (Biology)	Mathematics and BioStatistics	BSC 104	4	Syllabus reviewed	Mathematics and BioStatistics	No Change	No Change

13	Ph.D.	Research Methodolgy	PMA 101	4	Syllabus reviewed	No Change	No Change	No Change
14	Ph. D.	Optimization Techniques	PMA 102	3	Syllabus reviewed	No Change	No Change	No Change
15	Ph.D	Number Theory and Cryptography	PMA 103	3	Syllabus reviewed	No Change	No Change	No Change
16	Ph.D.	Review of Literature	PMA 104	2	Syllabus reviewed	No Change	No Change	No Change
17	Ph.D.	Numerical Methods	PMA 105	3	Syllabus reviewed	No Change	No Change	No Change

The Minutes of BoS meeting of Dept. of Applied Mathematics, ASET were approved and are attached at **Appendix-4.3.7**

(d) Amity School of Languages(ASL), Amity System of Enhancement &Transformation (ASCENT).

Prof. (Dr.) Iti Roychowdhury, Director ASCENT/ASL informed about the BoS meeting that was held on 07th Feb 2022, and minutes of the meeting were put up before the board. She informed the members about the changes made; Programme wise summary of changes is given below:-

Current Syllabus					Proposed changes/Modifications (addition/deletion of the Syllabus)	New Course Code	No. of Credit
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credit			
1	Communication Skills-VIII	I	BCU-841	01	Added: Do's and Don'ts of Public Speaking	BCU-841	01

The Minutes of BoS meeting of ASL and ASCENT were approved and are attached at **Appendix-4.4**

(e) Amity Institute of Social Sciences (AISS)

Prof. (Dr.) Iti Roychowdhury, Director, AISS informed about the BoS meeting that was held on 07th Feb 2022, and minutes of the meeting were put up before the board. She informed the members about the changes made; Programme wise summary of changes is given below:-

Current Syllabus					Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits			
1	Introduction to Political Science	I	BPS181	4	Democracy: meaning and features; theories: Classical, Elitist, Pluralist, Participatory in lieu of repetition of Political Obligations: Duties towards the State in BPS 281	BPS181	4
2	Nationalism in India	I	BPS183	4	Added Debates on Early Nationalism	BAC193	4
3	Nationalism in India	I	BPS183	4	Added Wahabi Movement, Deoband Movement Prathana Samaj, Vivekananda, and Ramakrishna Mission	BAC193	4
4	Nationalism in India	I	BPS183	4	Added Ambedkar and the Dalit Movement	BAC193	4
5	Western Political Thought-I	II	BPS283	4	Added Features of Modern Political Thought	BPS283	4
6	Theories of Administration	VI	BPS682	4	Added Comparative Public Administration	BPS284	4
7	Public Administration-I	II	BPS284	4	Added Delegation, Supervision, Line & Staff in lieu of repetition of Structure of organization, Chief Executive - Types, Functions & Roles	BPS384	4
8	Public Administration-I	II	BPS284	4	Added Role of Civil Services in Developing societies, Relation with Political Executives, Generalists vs Specialists in lieu of repetition of Budgetary Process - Preparation, Enactment & Execution	BPS384	4

Current Syllabus					Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits			
1	Nationalism in India	I	BAH192	4	Colonialist, Nationalists, Cambridge School, Marxists, Subaltern interpretations, Debate on Early Nationalism	BAC193	4
2	Nationalism in India	II	BAH192	4	Brahmo Samaj, Arya Samaj, Dharma Sabha, Aligarh Movement, Wahabi Movement, Brahmo Samaj, Deoband Movement, Prathana Samaj, Vivekananda and Ramakrishna Mission	BAC193	4
3	Social & Cultural History of Modern India	I	BAH194	4	Proposal of Wilberforce, Proposal of Charles Grant , Proposal of Minto Proposal of Elphinstone ,Macaulay system of Education ,Wood's Dispatch of1854, Hunter Commission Report of 1854,The Indian University Act of 1904,Resolution of February1913 , The Saddler University Commission1917-19 ,The Hartog Committees of 1929 Wardha School of Education , Sergent Plan of Education , Radhakrishna Commission , University Grants Commission	BAH192	4
4	Social & Cultural History of Modern India	II	BAH194	4	Land revenue settlements: Permanent settlement, Ryotwari Settlement , Mahalwari Settlement Commercialization of agriculture and its effects ,Popular resistance: Indigo Rebellion (1860); Pabna Agrarian Leagues (1873);	BAH192	4

					Deccan Riots 1875)		
5	Social & Cultural History of Modern India	III	BAH194	4	Attitude of East India Company, Press in Madras Presidency, The Censorship of the Press Act 179, Regulation of 1823, Liberation of Indian Press, Licensing Act of 1857 , Registration Act of 1867 , Vernacular Press Act1878 , The News Paper Act of1908, The Indian Press Act 1910, Foreign Relation Act1932 ,Indian States A(Protection)Act 1934 , Press Trust of India, Press Law Inquiry Committees, Press (Objectionable matter) Act1957, Press Commission of 1962	BAH192	4
6	History of Medieval India(900-1526)		BAH291	4	Invasions of Arabs, Invasions of Ghaznavids, Ghorids, Slave Dynasty (1206-1290), Khilji Dynasty (1290-1321), Tughlaq Dynasty (1321-1412), Sayyid Dynasty (1414-1451),Lodhi Dynasty (1451-1526)	BAH291	4
7	Political & Economic History of Medieval India	III	BAH293	4	Theories of state: Sultanate, Mughal, Vijayanagar, Marathas, Towns and Town Life and Trade, Merchant groups and Commerce,Artisans and Master-Craftsmen, Servants and Slaves, Standard of Living, The Ruling Classes - Nobility, Rural Gentry, The Middle Strata, The Commercial Classes	BAH293	4
8	Political & Economic History of Medieval India	II	BAH293	4	Trend of India's Economy and Prospects during the First Half of the Eighteenth Century, Trade and Commerce (Mughal and Coromandal); Overseas Trade - Role of Foreign Trading, Companies - Position of Indian Merchants Over-land Trade	BAH293	4
9	Social Structure of Ancient India	II	BAH394	4	Evolution of Language and Script, Brahmi, Kharoshti, Pali, Prakrit, Sanskrit, Tugalri etc. Salient features of Indian Art & Culture, Indian	BAH394	4

					Educational System ,The Ethics of Indian Valor		
10	Social Structure of Ancient India	III	BAH394	4	Science and Technology, Enviornmental Conservation Indian View, Health Consciousness of Ayurveda, Yoga and Naturopathy, Indian Numeral System and Mathematics	BAH394	4
	Social Structure of Ancient India	IV	BAH394	4	Social and economic structure :Concept of Vasudhev Kutumbakam (Man ,Family Society and World) Social stratification,, division of labour,(Varna System), Ashram system,Samskara, marriage, industry, inland trade and commerce and maritime trade	BAH394	4
	History of Europe III	I	BAH493		American war of Independence- Causes, events, results	BAH591	4

The Minutes of BoS meeting of AISS were approved and are attached at **Appendix-4.5**

(f) **Amity School of Architecture and Planning (ASAP)** Prof. L.K Jain Director ASAP informed about the BoS meeting that was held on 02nd March 2022 and minutes of the meeting were put up before the board. He informed the members about the changes made; programme wise summary of changes is given below.

Bachelor of Architecture:

Current Syllabus				Proposed Changes / Modifications (addition / deletion in the Syllabus)	Proposed	No. of Credits
Sr. No.	Course	Course code	credits			
1	B. ARCH	BCU 441	01	<ul style="list-style-type: none"> Subject Name in syllabus was- "professional communication for Recruitment & Employability" and now changed to "Communication Skills - IV" 	Modification in subject name	01
2	B. ARCH	BSU 443	01	<ul style="list-style-type: none"> Subject Name in Syllabus was -"Value & Ethics for personal & Professional Development" and now changed o "Behavioural Science - IV" 	Modification in subject name	01

3	B. ARCH	BAR 601	05	<ul style="list-style-type: none"> Change in period allocation in L, T, P/ S in syllabus, as per scheme of examination 	Modification in syllabus	05
5	B. ARCH	BAR602	04	<ul style="list-style-type: none"> Change in period allocation in L, T, P/ S in syllabus, as per scheme of examination 	Modification in syllabus	04
7	B. ARCH	BAR 606	03	<ul style="list-style-type: none"> Subject Name in syllabus was "Estimation, Costing & Specification" and now changed to "Specification, Estimation & Costing". 	Modification in subject name	03
8	B. ARCH	BAR 607	02	<ul style="list-style-type: none"> Subject Name in syllabus was "Construction & site Management" now changed to "Construction Technology and Project Management". 	Modification in subject name	02
9	B. ARCH	BAR 050	25	<ul style="list-style-type: none"> Subject name in syllabus was "Practical Training" now changed to "Practical Professional Training". 	Modification in subject name	25
10	B. ARCH	BAR 1003	02	<ul style="list-style-type: none"> Subject name in syllabus was "Architecture Conservation" now changed to "Architectural Conservation". 	Modification in subject name	02
11	B. ARCH	BAR 708	02	<ul style="list-style-type: none"> New subject added as elective as per advisory of COA - BAR 708 - "Road safety and Civic Sense" 	New Subject Added	02
12	B. ARCH	BAR 1003 & BAR906	02	<ul style="list-style-type: none"> As per suggested by External member of BOS - ASAP, two elective subjects got interchanged, "BAR 1003-Building Economics" interchanged with "BAR 906-Advance Presentation Techniques" 	Subjects interchanged	2
11	B. ARCH	<ul style="list-style-type: none"> All Value-added courses, Communication Skills, Behavioural Science and Foreign Language (French) proposed to be discontinued after 6th semester in B.Arch. program. The End Semester exam of Behavior Science changed to viva. 				

Bachelor of Interior Design:

Summary of changes is given below:

Current Syllabus				Proposed Changes/Modifications (addition/deletion in the Syllabus)	Proposed	No. of Credits
Sr. No.	Course	Course code	No. of credits			
1	BID	BID304	02	<ul style="list-style-type: none"> End Sem exam is revised from Theory to Viva voce 	VV	02
2	BID	BID401	06	<ul style="list-style-type: none"> Subject name is revised from INTERIOR DESIGN STUDIO-IV (INTERIOR DETAILING OF RETAIL SPACES) to INTERIOR DESIGN STUDIO-IV 	Modification in syllabus	06
3	BID	BID405 5 BID407 7 BID408 8 BID409	03	<ul style="list-style-type: none"> Subject code revised (BID405 TO BID404), (BID407 TO BID405), (BID408 TO BID406), (BID409 TO BID407) 	Modification in subject code	
4	BID	BID502	03	<ul style="list-style-type: none"> In course title of detail syllabus subject name is corrected to Material & Construction techniques-IV 	Modification in syllabus	03
5	BID	BID205	02	<ul style="list-style-type: none"> Tutorials changed to 0 and practical /studio changed to 2 	T-0, P-2	02
6	BID	BID602	02	<ul style="list-style-type: none"> Changes proposed in module -III and module-IV 	Module -III & IV	02
7	BID	BID701	02	<ul style="list-style-type: none"> Detail syllabus framed for the subject 	Detail syllabus	02
8	BID	BID106	02	<ul style="list-style-type: none"> In detail Syllabus Module -I & II title and description revised Module -III removed 	Modules revised & Removed	02
9	BID	BID 206	02	<ul style="list-style-type: none"> Module -I, II & III Description and title changed 	Module	02

10	BID	BID 306	03	<ul style="list-style-type: none"> • Module I, II, III, IV & V Title and description changed 	Module	03
11	BID	BID701	25	<ul style="list-style-type: none"> • Industry Internship Syllabus Framed 	New Syllabus	25
12	BID	BID307	3	<ul style="list-style-type: none"> • Workshop -II (Textile, Weaving /Printing) discontinued, new subject Psychology of living environments introduced, detail syllabus also framed 	Modification in Scheme & syllabus	03
13	BID	BID407	04	<ul style="list-style-type: none"> • Subject name changed to Workshop -III, Detail syllabus also framed. 	Subject name and syllabus	04
14	BID	BID 507	02	<ul style="list-style-type: none"> • Subject discontinued from scheme 	Subject Discontinued	02
15	BID	BID605	03	<ul style="list-style-type: none"> • Subject Revitalization of art and craft –II discontinued, new Subject named Adaptive reuse and refurbishment is introduced, detail syllabus framed, End exam proposed theory (EE), subject code revised to BID603 	Subject changed	03
	BID	BID 606, BID608, BID609		<ul style="list-style-type: none"> • Subject codes revised (BID606 TO BID604), (BID608 TO BID606), (BID609 TO BID607) 	Subjects Codes Changed	
16	BID	BID607	03	<ul style="list-style-type: none"> • Subject Workshop-V (Glass & Plastics) discontinued, DISASTER MANAGEMENT is introduced, detailed syllabus framed, End exam Proposed as Theory (EE), subject code revised to BID 605 	Subject & Syllabus Changed	03
17	BID	<ul style="list-style-type: none"> • All Value-added courses, Communication Skills, Behavioural Science and Foreign Language (French) proposed to be discontinued after 6th semester in B.ID.program. The End Semester exam of Behavior Science changed to viva. 				

Master of Planning (URP):

Summary of modifications is given below: M. Planning (U & R)

Current Syllabus					Proposed Changes / Modifications (addition / deletion in the syllabus)	Revised Course Code / Name of Subject.	No. of Credit
Sr. No.	Course	Module of the Syllabus	Course Code & Name of subject	Credit			
1	M. Planning (U & R)	All Module	MURP 108 Seminar I	2	Subject name is revised from Seminar - I to Seminar – I (Demographic and Quantitative Analysis) , Scheme of examination and Detailed syllabus is modified and framed.	MURP 108 / Seminar – I (Demographic, Quantitative Analysis)	2
2	M. Planning (U & R)	All Module	MURP 306 Quantitative Methods and Systems Analysis	3	Detailed syllabus is modified and framed.	MURP 306 Quantitative Methods and Systems Analysis	3
3	M. Planning (U & R)	All Module	MURP 308 Seminar - III	2	Subject name is revised from Seminar - III to Seminar – III (Research Methodology and Thesis Planning) , Scheme of examination and Detail syllabus is modified and framed.	MURP 308 / Seminar – III (Research Methodology and Thesis Planning)	2
4	M. Planning (U & R)	<ul style="list-style-type: none">All Value-added courses, Communication Skills, Behavioural Science and Foreign Language (French) proposed to be discontinued after 2nd semester in M. Planning (Urban & Regional) program. The End Semester exam of Behavior Science changed to viva.					

The Minutes of BoS meeting of ASAP were approved and are attached at **Appendix-4.6**

(g) Amity School of Communication (ASCO). Prof. Dr. Sumit Narula, Director ASCO and Dy Dean Research (Publication & Citation) briefed about the BoS meeting and minutes of the meeting were put up before the board. He informed the members that Syllabus of Amity School of Communication was already updated in the previous Board of Studies Meeting and there is no requirement to updated the syllabus.

The Minutes of BoS meeting of ASCO were approved by the Academic Council and are attached at **Appendix-4.7.**

(h) **Amity Law School (ALS)**. Maj. Gen Rajinder Kumar AVSM, SM, VSM (Retd), Director ALS informed about the BoS meeting that was held on 31st Jan 2022 and minutes of the meeting were put up before the board. He informed the members about the changes made in syllabus, summary of changes is given below:

Ph.D. in Law Full Time and Part Time Programmes							
No Change							
LLM Two Year Programme (New)							
Sr. No.	Course Title	Modules of the syllabus	Old Course Code	No. of Credits	Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
No change							
LL.M. (One Year Programme)							
No Change							
BA.LL.B.(H)/ BBA.LL.B.(H)/ B.COM. LL.B.(H) Programmes							
Sr. No.	Course Title	Modules of the syllabus	Old Course Code	No. of Credits	Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
1	Communication Client Interviewing Counseling and Advocacy Skills	5	BAL/BBL/BCL 403	4	Removed	-	4
2	Intellectual Property Rights	7	-	4	New course	BAL/BB L/BCL 610	4
3	Intellectual Property Rights	7	-	4	New course	BAL/BB L/BCL 1006	4
LL.B.(H) Programmes							
1.	Intellectual Property Rights	7	LLB 610	4	New course	LLB 610	4

The Minutes of BoS meeting of ALS were approved and are attached at **Appendix-4.8**

(i) Department of Environmental Science (EVS) Prof. (Dr.) Kuldip Dwivedi, HOD Environmental Science informed about the BoS meeting that was held on 07th Feb 2022 and minutes of the meeting were put up before the board. He informed the members that all the syllabi are up to that mark and approved.

The Minutes of BoS meeting of Dept. of Environmental Science(EVS) were approved and are attached at **Appendix 4.9**

(j) Amity Institute of Behavioral and Allied Sciences (AIBAS). Prof. (Dr.) Deepa Pandey HoI AIBAS informed about the BoS meeting that was held on 15th Feb 2022 and minutes of the meeting were put up before the board. She informed the members about the changes made; summary of changes is given below.

(aa) The amendments of the syllabus are being recommended by the board members in (UG BA Applied Psychology & B.Sc. Clinical Psychology). Papers Introduction to Psychology (PSY101) and Introduction to Personality Theories (PSY203)

(ab) Syllabus of PG & Ph.D. courses will remain unchanged for the session 2022-23.

(ac) Syllabus of Behavior Science and Choice Based Credit System will remain unchanged.

(ad) The BoS Members recommended to change as DSM V and Intellectual Disability in the place DSM IV and Mental Retardation wherever it is applicable.

The Minutes of BoS meeting of AIBAS were approved and are attached at **Appendix-4.10**

(k) Amity Institute of Fashion Design and Technology (ASFDT). Ms Anshu Singh Choudhary HOI, ASFDT informed about the BoS meeting that was held on 17th Feb 2022 and minutes of the meeting were put up before the board. She informed the members about the changes made; summary of changes is given below.

Current Syllabus					Proposed Changes/Modifications (addition/deletion in the Syllabus)	New Course Code	No. of Credits
Sr. No.	Course Title	Module of the syllabus	Old Course Code	No. of Credits			
1	B. Des (Fashion Design)	Elements of Design-II	BFD201	2	<p><u>New sub-topics added in Module VII</u></p> <p>1) Identify and apply the elements and principles of design to create 2 dimensional and 3-dimensional design compositions</p> <p>2) Identify individuals and their cultures based on clothing and prepare a collage/ scrap book.</p>	BFD201	2

The Minutes of BoS meeting of ASFDT were approved and are attached at **Appendix-4.11**

6. Agenda No. 4 Ratification of Minutes of IQAC Meeting held on 25 Jan 2022. . The Minutes of the last IQAC Meeting held on 25th January, 2022, were briefed to the members by Prof (Dr) Anil Vashisht, Dy.Pro.VC and Director IQAC. The minutes were ratified and are attached as **Appendix -5**

7. Agenda No. 5: Approval of Academic Calendar for Odd Semester July-Dec 2022. The Academic Calendar for the Academic Year 2022-23 was placed before the members by Dean (Academics) for approval. The Hon'ble Vice Chancellor asked to revise the calendar keeping in view to the revised event calendar which was discussed in the meeting. The revised Academic Calendar incorporating the suggestion of Hon'ble VC was unanimously approved by the members of the Academic Council, which is attached as **Appendix - 6**

8. Agenda No. 6: Approval of Academic Calendar of Ph.D programme for the Batch Jan 2022. Dr Swapnil Rai, Associate Professor and University Research Coordinator presented the Academic Calendar of PhD for the Jan 2022 session before the Members of the Academic Council for approval. The same was approved and is attached as **Appendix -7.**

9. Agenda No.7: Approval of Examination Calendar for the Odd Semester July-Dec 2022. The Examination Calendar for the Odd Semester July- Dec 2022 was placed before the members of the Academic Council by Brig (Dr) J Matta, CoE. The dates were revised keeping in view to the events planned for the session July-Dec 2022 and accordingly the suggestions

were incorporated in the revised examination calendar and was unanimously approved and is attached as **Appendix -8.**

10. Agenda No 8 : Approval of Calendar of Events for the period from July - Dec 2022.

The details of planned events of various institutes/schools were submitted before the committee members in the form of Event Calendar of AUMP for the upcoming semester July - Dec 2022 and discussed in details. The Chairman had suggested amendments in the same which was incorporated then and their itself and the revised event calendar was unanimously approved by the members of Academic Council and is attached as **Appendix-9**

11. Agenda No. 9: Requirement of Teaching Staff for the year 2022-23. Keeping in view the faculty load and backfill vacancies created against the left faculty members in the various institutes, the requirement of teaching faculty for the session 2022-23 has been prepared and put up before the members for approval. The same was approved and is attached as **Appendix -10.**

12. Agenda No. 10 : Approval of Guest Faculties from the period of Jan 2022 to June 2022 - Hols of various Institutes/Schools proposed the requirement of guest faculties for the period from Jan 2022 to June 2022 for the post facto approval of the members of the Academic Council. The same was approved and is attached as **Appendix -11.**

13. Agenda No. 11: Approval of requirement of Lab Equipments/Consumables for next odd semester commencing from July 2022 - The requirement of lab equipment received from the various institutes for the session commencing from July 2022 was put up before the members for approval. The same was approved and is attached as **Appendix -12.**

14. Agenda No. 12 : Approval of requirement of Books for next odd semester commencing from July 2022 - Hols of various Institutes/Schools have proposed the requirement of Books for the next semester commencing from July 2022 which was put up before the members of Academic Council for approval. The books requirement of all institutes was unanimously approved and the same is attached as **Appendix - 13.**

15. Agenda No. 13 : Approval of course Intake and fees The lists of under graduate and post graduate courses with the admission eligibility criteria, fees and intake for 2022-23 were put up before the member of Academic Council for approval. The same were approved and is attached as **Appendix - 14.**

16. Agenda No. 14: Approval of New programme for the Academic Session 2022-23 The proposal to offer following 02 new programmes from the upcoming academic session 2022-23 is put up before the Council for approval.

(a) **Professional Diploma in Clinical Psychology** to be offered by Amity Institute of Behavioural and Allied Sciences (AIBAS)

(b) **Post Graduate Diploma in Supply Chain Management & Logistics** to be offered by Amity Business School (ABS)

The same were approved by the Academic Council.

17. Agenda No. 15 : Approval of Subsequent Ordinance pertaining to the New Programme. The subsequent ordinances Pertaining to following 02 new programmes are put up before the Academic Council Members for approval.

(a) **Professional Diploma in Clinical Psychology** to be offered by Amity Institute of Behavioural and Allied Sciences (AIBAS)

(b) **Post Graduate Diploma in Supply Chain Management & Logistics** to be offered by Amity Business School (ABS)

The same were approved and are attached as **Appendix - 15.**

18. Agenda No. 16 : Approval of Minutes of the Meeting of University Research Council (URC) held on 07,08 & 09 March 2022. The Controller of Examination briefed the minutes of URC meeting held on 07th, 08th & 09th March, 2022 for approval. The said URC minutes were unanimously approved by the members and are attached as **Appendix - 16.**

19. Agenda No. 17 : Information about Research Projects submitted by various institutes/ schools from Sept 2021 to Feb 2022 - Dr. Swapnil Rai, Associate Professor, EVS & University Research Coordinator, on behalf of Dean (Research), AUMP presented

the research and innovation output carried out by Directorate of Research and Publication for the period between September 2021 to February, 2022. Hon'ble Chairman emphasize and requested Dean (Research) and all HOIs that their department are need to take necessary initiative for the funding from various agencies for the Research, projects and publication and should make all the liasioning for the funding from different agencies. The details of research projects are attached as **Appendix - 17.**

20. Agenda No. 18 : Any Other Points with the Permission of the Chair -

As there was no other point to discuss the meeting was concluded at 1300 hrs with thanks to the Chair.

Ref No. AUMP/RO/2022/AC Meeting/122

Date : 24.03.2022

Place : Gwalior

(Rajesh Jain)

**Registrar & Member Secretary -
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