## University of Alumbai



## No. UG/ 58 of 2021

## CIRCULAR:-

Attention of the Principals of the Affiliated Colleges, Directors of the recognized Institutions in Science & Technology Faculty.

They are hereby informed that the recommendations made by the Ad-hoc Board of Studies in Pharmacy at its meeting held on 2<sup>nd</sup> July, 2020 and subsequently made by the Board of Deans at its meeting held on 20<sup>th</sup> July, 2020 vide item No. 43 have been accepted by the Academic Council at its meeting held on 23<sup>rd</sup> July, 2020 vide item No. 4.149 and that in accordance therewith, the Swayam Course Equivalence mapping UG & PG courses, has been brought into force with effect from the academic year 2020-21. (The same is available on the University's website www.mu.ac.in).

MUMBAI – 400 032
215+January, 2021

To

(Dr. B.N.Gaikwad)
I/c REGISTRAR

The Principals of the Affiliated Colleges, and Directors of the recognized Institutions in Science & Technology Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.149/23/07/2020

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No. UG/ 58 -A of 2021

MUMBAI-400 032

215+ January, 2021

Copy forwarded with Compliments for information to:-

- 1) The Dean, Faculty of Science & Technology,
- 2) The Chairman, Ad-hoc Board of Studies in Pharmacy,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-ordinator, University Computerization Centre,

(Dr. B.N.Gaikwad) I/c REGISTRAR

## Copy to:-

- 1. The Deputy Registrar, Academic Authorities Meetings and Services (AAMS),
- 2. The Deputy Registrar, College Affiliations & Development Department (CAD),
- 3. The Deputy Registrar, (Admissions, Enrolment, Eligibility and Migration Department (AEM),
- 4. The Deputy Registrar, Research Administration & Promotion Cell (RAPC),
- 5. The Deputy Registrar, Executive Authorities Section (EA),
- 6. The Deputy Registrar, PRO, Fort, (Publication Section),
- 7. The Deputy Registrar, (Special Cell),
- 8. The Deputy Registrar, Fort/ Vidyanagari Administration Department (FAD) (VAD), Record Section,
- 9. The Director, Institute of Distance and Open Learning (IDOL Admin), Vidyanagari,

They are requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to in the above circular and that on separate Action Taken Report will be sent in this connection.

- 1. P.A to Hon'ble Vice-Chancellor,
- 2. P.A Pro-Vice-Chancellor,
- 3. P.A to Registrar,
- 4. All Deans of all Faculties,
- 5. P.A to Finance & Account Officers, (F.& A.O),
- 6. P.A to Director, Board of Examinations and Evaluation,
- 7. P.A to Director, Innovation, Incubation and Linkages,
- 8. P.A to Director, Board of Lifelong Learning and Extension (BLLE),
- 9. The Director, Dept. of Information and Communication Technology (DICT) (CCF & UCC), Vidyanagari,
- 10. The Director of Board of Student Development,
- 11. The Director, Department of Students Walfare (DSD),
- 12. All Deputy Registrar, Examination House,
- 13. The Deputy Registrars, Finance & Accounts Section,
- 14. The Assistant Registrar, Administrative sub-Campus Thane,
- 15. The Assistant Registrar, School of Engg. & Applied Sciences, Kalyan,
- 16. The Assistant Registrar, Ratnagiri sub-centre, Ratnagiri,
- 17. The Assistant Registrar, Constituent Colleges Unit,
- 18. BUCTU,
- 19. The Receptionist,
- 20. The Telephone Operator,
- 21. The Secretary MUASA

for information.

		Ily-Aug-sep registration week or 8 weeks) 4 cre		r 12 weeks)we need	to finalize							
		ration in front of course in		1 12 WCCN3/WC HCCC	to illialize							
			пргаскег									
		oing (80 and above )		courses from swayam MO			or Selective studying	when core sunjec	t .			
cademic year	semester	period	subject		courses from swayam							
		july-dec		NPTEL	CEC	AICTE	IGNOU	NCERT	NIOS	UGC	NITTTR	
irst Year	ı	Human Anat & Physio (4)		animal physiology (iiT kanpur-12week)20-7-20								
		PA I(4)										
		PceutICS I (4)	No relevant mapping with any course									
		Pharm Inorg Chem (4)										
		Communication skill(2)		Developing Soft Skills and Personality(8 weeks) 17-8-20	Developing life skills							
		Remedial Maths(2)		17-0-20	Developing me skills							
		Tonical nearcy						Biology XI std part II (last date for enrollment is 15th August so not possible this year) Can think				
		Remedial Biology(2)						for next year				
econd year	III	Pharm Org Chemil (4)		ntroductory Organic Chemistry I (IISRpune-8wks) 17- 8-20 COMMENT: this subject has above 80% mapping with sem II OC								
		Physical Pceuti I (4)							Sr Secondary: Chemistry start date:1st april, enrollment ends : 30th September (Module 3 and parts of mofule 5 overlap)			
		Pharm Micro (4)	No relevant mapping with any course									
		Pharm Eng (4)						-				
TY	V	OC-III (4)		No relevant mapping with any course								

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		Industrial Pharmacy 1				
		Duration: 12 weeks				
		Start Date : 27 Jul				
		2020				
	Drug Delivery:	End Date : 17 Oct				
	Principles and	2020 Exam Date : 15				
	Engineering(IISc-12	Nov 2020				
	week)20-7-20 ( No	Enrollment Ends :				
	overlap , so not	31 Aug 2020 (25% overlap so				
	recommended for	recommended for				
Pceut-II(4)	selective study for this core))	selective study for this course				
rceut-ii(4)		course				
	Experimental Biotechnology(IIT-					
	guhati-12 weeks)					
	(Timing bnot					
P'Biotech(4)	available)					
,	industrial biotech					
	iit kharagpur 12					
	week 20-7-20					
	enrollment by 27/7/2020.					
	Industrial					
	Biotechnology IIT					
	Kharaghpur12					
	weeks starting					
	20/7/2020					
	enrollment by					
	27/7/2020					
P'Col II(4)						
		Functional food and				
Nutra&DS (2)		nutraceuticals				
Mic.Gen(2)	Immunology12week 20-7-20	S				
	Biophysical					
	chemistry (iit delhi-1	2				
	weeks) (Timing not	Biochemistry and				
Biochem-III(2)	available)	biomolecules				
	Mechanisms in					
	Organic Chemistry	. ]				
	(simmilar to Physica					
	org chem)IITB-8 weeks 20-7-20					
	(comment: instead o	r No relevant				
	additional choice for					
Synth. App.(2)	synthon)	other course.				
Cosmet(2)						
Pack. Pharm.(2)						
- ao   haim.(2)			1			

				Entrepreneurship and IP strategy(IIT kharagpur-8weeks) 17-08-20 Comment: Nice combination of IPR and enterprenurship. intended for UG and all faculties (Recommended for elective)				
				Marketing Management-I (IIT Kanpur-8 weeks) 17- 8-20. comment: it can be considered as elective. In its scope target UG students are pharma and FMCG sector mentioned				
final year	VII	Pharm Chem II(4)						
		PcognosyIII(4)						
		PAnalysisIII		Application of Spectroscopic Methods in Molecular Structure Determination(IIT madras-8 weeks) 17- 8-20				
		Pcol III (4)						
		Pharm Juris (3)	Intellectual Property, National Law Univ-15 w	Patent Drafting for Beginners,( IIT madras-4wks)20-7- 20				
				Patent Law for Engineers and Scientists(IIT MADRAS-12 weeks) 20-07-2020 enrollment end date 27-07-20: % mapping above 80				
				Patent Search for Engineers and Lawyers(iit kharagpur-8wks)-17-8-20 comment: Basic introduction on IPR is introduced in jurisprudence. so this can be usefull as it talks about how to do PATENT SEARCH				

Preformulation(2) Green chemistry & catalysis(2)	Marketing Research and Analysis (start date 17th Aug, enrollment ends 17th Aug, (recommended for elective) 8 weeks duration	31 Aug 2020 (30% overlap so			Business Ethics(CEC pune univ-4 week)20-7-
	Introduction to Biostatistics, Prof. Shamik Sen Eight weeks 20th July 2020	Enzymology CEC Univ of Kashmir, 12 weeks Start date 14/11/2020 enrollment ends 31/8/2020 UG and PG			

MPharm												
cademic year	semester	period	subject	courses from sw	ayam MOOC							
		july-dec		NPTEL	CEC	AICTE	IGNOU	NCERT	NIOS	UGC	NITTTR	
First Year	Pharmaceutics	Modern Pharm Anal Tech MPH101T		Analytical Chemistry By Dr. Debasis Ray 12 weeks Start date 20th July 2020 Spectroscopic Techniques for Pharmaceutical and Biopharmaceuti cal Industries by Prof. Shashank Deep 12 weeks Starts 20th July 2020.								
MPharm Semester I		Drug Delivery System MPH102T	Structural Analys.of Nanomaterials	Drug Delivery: Principles and Engineering (IISc-12 week)20-7- 20 (30% overlap students can study it selectively)		AICTE Approved -4 w						
		Modern Pharmaceutics MPH103T			Industrial Pharmacy 1 Duration: 12 weeks Start Date: 27 Jul 2020 End Date: 17 Oct 2020 Exam Date: 15 Nov 2020 Enrollment Ends: 31 Aug 2020 (20% overlap so recommended for selective study for this course, Difficult for this year							
		Regulatory Affair MPH104T			,							
		MPH104T Modern Pharm Anal										
	Pharm Chem	Tech MPC101T										
		Adv Org Chem -I MPC102T										
		Adv Med Chem MPC103T										
		Chemistry of Natural Products MPC104T										
	Pharm Analysis	Modern Pharm Anal										

		Adv Pharm Analysis MPA102T						
		Pharm Validation MPA103T						
		Food Anal MPA104T						
	Pharmacognosy & Phytochem	Modern Pharm Anal MPG101T						
	& Filytochem	Advanced Pharmacognosy MPG102T						
		Phytochemistry MPG103T						
		Industrial Pharmacognostical Tech MPG104T						
	Pharmacology	Modern Pharm Anal MPL101T						
		Adv Pharmacology MPL102T						
		Pharmacological & Toxicological Screening methods-1MPL103T						
		Cellular & Molecular Pharmacology MPL104T						
	Pharmaceutical Quality Assurance	Modern Pharmaceutical Analytical Techniques MQA101T						
		Quality Management System MQA102T						
		Quality Control and Quality Assurance MQA103T						
		Product Development and Technology Transfer						
				Stress Management (nptel-4wks) 20-07-20				
First year MPharm Semester II	Pharmaceutics	Molecular Pharmaceutics (Nanotech and eted DDS) 4C MPH201T	Biomedical Nanotechnology IIT (20% overlap for trug targeting related concepts 4 weeks)					
		Advanced biopharmaceutics& kinetics 4C	Drug Deliver					
		MPH202T	Drug Delivery Principles IISc					
		Computer aided drug ivery system 4C MPH203T						

				ı	1	1			
		Cosmetics and							
	c	als 4C							
		MPH204T							
			A						
			Application of Spectroscopi c Methods in						
			Molecular Structure						
			Determinatio n(iit madras-						
	31	nalysis 4C	8wk)17-08-						
Phar	arm Chem	MPC201T	20						
	tr	Advanced organic							
		MPC202T							
			Computer Aided Drug						
			Design IIT						
	'	Computer aided drug design 4C	madras 8 weeks-20-						
		MPC203T	07-20						
		Pharmaceutical							
	n	istry 4C							
		MPC204T							
		Advanced Instrumental analysis							
		4C							
Phar	arm Analysis	MPA201T							
	Ī	Modern bioanalytical							
	L	ues 4C							
		MPA202T							
		Quality control and ty assurance 4C							
		MPA203T							
		Herbal and cosmetic							
	1	4C MPA204T							
		Medicinal Plant							
		chnology 4C							
Phar	armacognosy	MPG201T							
		AAdvanced Pharmacognosy -II							
	c								
		MPG202T							
		India system of							
	V	Medicine 4C							
		MPG203T							

			1							
		etics 4C								
		MPG204T								
		Advanced								
		macology II 4C								
	Pharmacology	MPL201T								
		Pharmacological and								
		toxicological								
		screening methods II								
		MPL202T								
		Principles of drug								
		discovery 4C								
		MPL203T								
		Clinical Research and								
		ilance 4C								
		MPL204T								
		====								
	Pharmaceutical	Hazards and Safety								
	Quality	Management MQA201T								
	Assurance	Pharmaceutical Validation MQA202T								
		Audits and Regulatory Compliances MQA203T								
		Pharmaceutical								
		Marketing Technology MQA2014T								
Second Year M. Pharm.	Common for all	Research Methodology	Research Metho	dology						
Semester III	Specializations	and Biostatistics* (*Non University Exam),	Course Type :	CEC - Core	1					
		Oniversity Examy,	Duration :	15 weeks	Academic &					
					Research					
			Start Date :		Report Writi, National					
			End Date :	31 Oct 2020	Training In					
			Exam Date :			dology -15 w Nat	ional Law Uin Dell	ni		
			Enrollment Ends	31 Aug 2020						
			Introduction to B							
			Course Type :	NPTEL- Elective						
			Duration :	8 weeks						
			Start Date :	20 Jul 2020						
			End Date :	11 Sep 2020						
			Exam Date :	27 Sep 2020						
			Enrollment Ends			ina				
			Category :		es & Bioengineer	iriy				
			Level :	Undergraduate/F	ostgraduate					

Common for all Specializations	Consider for two credits	Fundamentals of Artifiical Intelligence Start Date: 20 July Enrollment date: 27 July (12 weeks)				