

NU/AC/170417/IP/MP/TES_Sylb/Sem-I/17- 78
Date: 20.05.2017


NOTIFICATION

- Read: 1. **Regulation No. 44 of Academic Regulations for Admission to University, etc. published vide notification No. NU-442 dated 27.1.2004 – Empowering Academic Council to approve teaching & examination scheme, syllabus, etc.**
2. **Notifications mentioned in Handbook-IV, updated up to April, 2015**
3. **Resolution No. 1 – Faculty of Pharmacy Meeting – 05.04.2017**
4. **Resolution No. 5 – Academic Council Meeting – 17.04.2017**

Sub: **Introduction of Teaching & Examination Scheme and Syllabus of Semester-I of all specializations of M.Pharm programme**

It is, hereby, notified for information of all concerned that, the Academic Council in its meeting held on 17.04.2017 under resolution No. 5; in exercise of powers conferred upon it by the Board of Governors under regulation mentioned at serial 1 above, taking into consideration the recommendation of Faculty of Pharmacy, has resolved to approve the *introduction* of Teaching & Examination Scheme and Syllabus of **Semester-I** of following specializations of **Master of Pharmacy (M.Pharm.)** programme (as prescribed by PCI), to be made effective from academic year 2017-18 and onwards as per *Appendix-A* attached herewith:

- (a) Pharmaceutics
- (b) Pharmaceutical Chemistry
- (c) Pharmaceutical Analysis
- (d) Regulatory Affairs
- (e) Pharmacology


Executive Registrar

Encl.: Appendix – A [Pages 1 to 56]

To,

1. Dean, Faculty of Pharmacy
2. All Heads, Academic Area Committee
3. Dy. Registrar (Examination)

Copy to: OS – IP/IS, Librarian-IP, P.A. to ER

- c.f.w.cs. for information to:
1. Vice President
 2. Director General
 3. Director (A&GA)

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M. Pharm. - Pharmaceuticals)

Semester I

Sr. No.	Course Code	Course Title	Teaching Scheme				Examination Scheme				
			L	LPW/PW	T	C	Duration LPW/PW	Component Weightage CE	SEE	SEE	
											LPW/PW
1	MPH101T	Modern Pharmaceutical Analytical Techniques	4	-	-	4	-	3.0	0.60	-	0.40
2	MPH102T	Drug Delivery Systems	4	-	-	4	-	3.0	0.60	-	0.40
3	MPH103T	Modern Pharmaceuticals	4	-	-	4	-	3.0	0.60	-	0.40
4	MPH104T	Regulatory Affairs	4	-	-	4	-	3.0	0.60	-	0.40
5	MPH105P	Pharmaceuticals Practical I	-	12	-	6	-	-	6.0	-	1.00
6	-	Seminar / Assignment	-	7	-	4	-	-	-	-	1.00
		Total	16	19	-	26					
				35							

L: Lectures, PT: Practicals/Tutorial, C: Credits
 LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
 CE: Continuous Evaluation

1

Appendix-A
 (Noti.No.NU-
 AC mtg.-17417)

File

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M.Pharm- Pharmaceutical Analysis)

Semester - I

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme						
			L	LPW/PW	T	C	Duration		Component Weightage			
							SEE	LPW/PW	CE	LPW/PW	SEE	
1	MPA101T	Modern Pharmaceutical Analytical Techniques	4	-	-	4		3.0	-	0.60	-	0.40
2	MPA102T	Advanced Pharmaceutical Analysis	4	-	-	4		3.0	-	0.60	-	0.40
3	MPA103T	Pharmaceutical Validation	4	-	-	4		3.0	-	0.60	-	0.40
4	MPA104T	Food Analysis	4	-	-	4		3.0	-	0.60	-	0.40
5	MPA105P	Pharmaceutical Analysis Practical I	-	12	-	6		-	6.0	-	1.00	-
6		Seminar/Assignment	-	7	-	4		-	-	-	1.00	-
		Total	16	19	-	26		-	-	-	-	-
				35								

L: Lectures, P/T: Practicals/Tutorial, C: Credits
 LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
 CE: Continuous Evaluation

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M.Pharm - Regulatory Affairs)

Semester - I

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme					
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MRA101T	Good Regulatory Practices	4	-	-	4	3.0	-	0.60	-	0.40
2	MRA102T	Documentation and Regulatory Writing	4	-	-	4	3.0	-	0.60	-	0.40
3	MRA103T	Clinical Research Regulations	4	-	-	4	3.0	-	0.60	-	0.40
4	MRA104T	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbs, and Food & Nutraceuticals In India and Intellectual Property Rights	4	-	-	4	3.0	-	0.60	-	0.40
5	MRA105P	Regulatory Affairs Practical I	-	12	-	6	-	6.0	-	1.00	-
6		Seminar/Assignment	-	7	-	4	-	-	-	1.00	-
		Total	16	19	-	26	-	-	-	-	-
				35							

34

L: Lectures, PT: Practicals/Tutorial, C: Credits
 LPW/PW: Laboratory / Project Work
 SEE: Semester End Examination
 CE: Continuous Evaluation

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M. Pharm. - Pharmacology)

Semester I

Sr. No.	Course Code	Course Title	Teaching Scheme				Examination Scheme				
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MPL101T	Modern Pharmaceutical Analytical Techniques	4	-	-	4	3.0	-	0.60	-	0.40
2	MPL102T	Advanced Pharmacology-I	4	-	-	4	3.0	-	0.60	-	0.40
3	MPL103T	Pharmacological and Toxicological Screening Methods-I	4	-	-	4	3.0	-	0.60	-	0.40
4	MPL104T	Cellular and Molecular Pharmacology	4	-	-	4	3.0	-	0.60	-	0.40
5	MPL105P	Pharmacological Practical I	-	12	-	6	-	6.0	-	1.00	-
6	-	Seminar / Assignment	-	7	-	4	-	-	-	1.00	-
Total			16	19	-	26					
			35								

L: Lectures, PT: Practicals/Tutorial, C: Credits
LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
CE: Continuous Evaluation

54

NU/AC/4 (C)/18- 71

Date: 05.06.2018

NOTIFICATION

- Read: 1. **Regulation No. 44 of Academic Regulations for Admission to University, etc. published vide notification No. NU-442 dated 27.1.2004 – Empowering Academic Council to approve teaching & examination scheme, syllabus, etc.**
2. **Notifications mentioned in Handbook-IV, updated up to April, 2015**
3. **Resolution No. 4, 5(II), 6(II) and 8(II)- Faculty of Pharmacy meeting- 28.02.2018**
4. **Resolution No. 4(C)– Academic Council meeting – 20.04.2018**

Sub: **Introduction of Teaching & Examination Scheme and Syllabus of Semester-III & IV of following M. Pharm programmes in pursuance to new curriculum as prescribed by Pharmacy Council of India (PCI)**

It is, hereby, notified for information of all concerned that, the Academic Council in its meeting held on 20.04.2018 under resolution No. 4(C), in exercise of powers conferred upon it by the Board of Governors under regulation mentioned at serial 1 above, taking into consideration the recommendation of the Faculty of Pharmacy, has resolved to approve the *introduction* of Teaching & Examination Scheme and Syllabus of Semester-III & IV of following M. Pharm programmes in pursuance to new curriculum as prescribed by Pharmacy Council of India (PCI), to be made effective for the students admitted in **M. Pharm. programmes** from academic year 2017-18 onwards as per *Appendix-A* attached herewith.

- i. Pharmaceutics
- ii. Pharmaceutical Analysis
- iii. Regulatory Affairs
- iv. Pharmaceutical Chemistry
- v. Pharmacology


Executive Registrar

Encl.: Appendix-A [Pages 1 to 7]

To,

1. Dean, Faculty of Pharmacy
2. Coordinator of Exam, IP
3. Dy. Registrar: Examination

Copy to: OS-IP; Librarian-IP; P.A. to ER

c.f.w.cs. for information to: 1. Vice President
2. Director General

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M.Pharm. - Pharmaceuticals)

Semester - III

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme				
			L	LPW/PW	T	C	Duration			
							SEE	LPW/PW	CE	LPW/PW
1	MRM301T	Research Methodology and Biostatistics*	4	-	-	4	-	1.0	-	-
2	MPH302T	Journal Club - I	1	-	-	1	-	1.0	-	-
3	MPH303T	Discussion/Presentation (Proposal Presentation)	2	-	-	2	-	1.0	-	-
4	MPH304P	Research Work*	-	28	-	14	-	1.0	-	1.0
		Total	7	28		21				
				35						

Semester - IV

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme				
			L	LPW/PW	T	C	Duration			
							SEE	LPW/PW	CE	LPW/PW
1	MPH401T	Journal Club - II	1	-	-	1	-	1.0	-	-
2	MPH402P	Research work and Colloquium		31	-	16	1.0		1.0	-
3	MPH403T	Discussion/Final Presentation	3	-	-	3	-	1.0	-	-
		Total	4	31		20				
				35						

* Non University Examination (NUE)

L: Lectures, P/T: Practicals/Tutorial, C: Credits

LPW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

Appendix - A
 Notif. No. - NU-31
 Acmtg. - 20.04.18

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M. Pharm- Pharmaceutical Analysis)

Semester - III

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme				
			L	LPW/PW	T	C	Duration			
							SEE	LPW/PW	CE	LPW/PW
1	MRM301T	Research Methodology and Biostatistics*	4	-	-	4	-	1.0	-	-
2	MPA302T	Journal Club - I	1	-	-	1	-	1.0	-	-
3	MPA303T	Discussion/Presentation (Proposal Presentation)	2	-	-	2	-	1.0	-	-
4	MPA304P	Research Work*	-	28	-	14	1.0	-	1.0	-
		Total	7	28		21				
				35						

Semester - IV

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme				
			L	LPW/PW	T	C	Duration			
							SEE	LPW/PW	CE	LPW/PW
1	MPA401T	Journal Club - II	1	-	-	1	-	1.0	-	-
2	MPA402P	Research work and Colloquium	-	31	-	16	1.0	-	1.0	-
3	MPA403T	Discussion/Final Presentation	3	-	-	3	-	1.0	-	-
		Total	4	31		20				
				35						

* Non University Examination (NUE)

L: Lectures, P/T: Practicals/Tutorial, C: Credits

LPW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

w.e.f. academic year 2018-2019 and onwards

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M. Pharm - Regulatory Affairs)

Semester - III

Sr. No.	Course Code	Course Title	Teaching Scheme				Examination Scheme				
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MRM301T	Research Methodology and Biostatistics*	4	-	-	4	-	-	1.0	-	-
2	MRA302T	Journal Club - I	1	-	-	1	-	-	1.0	-	-
3	MRA303T	Discussion/Presentation (Proposal Presentation)	2	-	-	2	-	-	1.0	-	-
4	MRA304P	Research Work*	-	28	-	14	1.0	-	-	1.0	-
		Total	7	28		21					
				35							

Semester - IV

Sr. No.	Course Code	Course Title	Teaching Scheme				Examination Scheme				
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MRA401T	Journal Club - II	1	-	-	1	-	-	1.0	-	-
2	MRA402P	Research work and Colloquium	-	31	-	16	1.0	-	-	1.0	-
3	MRA403T	Discussion/Final Presentation	3	-	-	3	-	-	1.0	-	-
		Total	4	31		20					
				35							

* Non University Examination (NUE)

L: Lectures, P/T: Practicals/Tutorial, C: Credits

LPW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

w.e.f. academic year 2018-2019 and onwards

Nirma University
Institute of Pharmacy
Teaching & Examination Scheme of (M.Pharm. - Pharmacology)

Semester - III

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme				
			L	LPW/PW	T	C	Duration			
							SEE	LPW/PW	CE	LPW/PW
1	MRM301T	Research Methodology and Biostatistics*	4	-	-	4	-	1.0	-	-
2	MPL302T	Journal Club - I	1	-	-	1	-	1.0	-	-
3	MPL303T	Discussion/Presentation (Proposal Presentation)	2	-	-	2	-	1.0	-	-
4	MPL304P	Research Work*	-	28	-	14	-	-	1.0	-
		Total	7	28		21				
				35						

Semester - IV

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme				
			L	LPW/PW	T	C	Duration			
							SEE	LPW/PW	CE	LPW/PW
1	MPL401T	Journal Club - II	1	-	-	1	-	1.0	-	-
2	MPL402P	Research work and Colloquium	-	31	-	16	-	1.0	1.0	-
3	MPL403T	Discussion/Final Presentation	3	-	-	3	-	1.0	-	-
		Total	4	31		20				
				35						

* Non University Examination (NUE)

L: Lectures, P/T: Practicals/Tutorial, C: Credits

LPW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

NU/AC/17- 131
Date: 16.10.2017

NOTIFICATION

- Read: 1. Regulation No. 44 of Academic Regulations for Admission to University, etc. published vide notification No. NU-442 dated 27.1.2004 – Empowering Academic Council to approve teaching & examination scheme, syllabus, etc.
2. Notifications mentioned in Handbook-IV, updated up to April, 2015
3. Notification No. NU-77 dated 20.05.2017 – Introduction of Teaching and Examination Scheme and Syllabus of Semester-I of B. Pharm. Programme
4. Notification No. NU-78 dated 20.05.2017 – Introduction of Teaching and Examination Scheme and Syllabus of Semester-I of all branches of M. Pharm. Programme
5. Resolution No. 3 – Faculty of Pharmacy meeting– 19.08.2017
6. Resolution No. 4 – Academic Council meeting – 27.09.2017

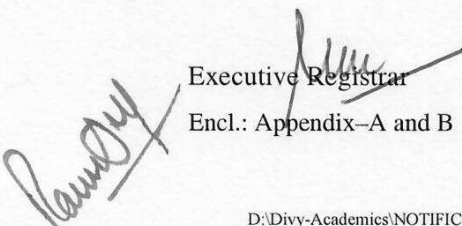
Sub: Introduction of Teaching & Examination Scheme and Syllabus of Semester-II of B.Pharm and M.Pharm. Programmes

It is, hereby, notified for information of all concerned that, the Academic Council in its meeting held on 27.09.2017 under resolution No. 4; in exercise of powers conferred upon it by the Board of Governors under regulation mentioned at serial 1 above, taking into consideration the recommendation of Faculty of Pharmacy, has resolved to approve the *introduction* of Teaching & Examination Scheme and Syllabus of **Semester-II** of **B. Pharm.** Programme and following programmes of **M. Pharm.** in accordance with new curriculum as prescribed by the Pharmacy Council of India (PCI), to be made effective for the students to be registered in Semester-II from academic year 2017-18 and onwards as per following appendices attached herewith:

I. **B. Pharm. Programme** [*Appendix-A*: Pages - 1 to 17]

II. **M. Pharm. in:** [*Appendix-B*: Pages - 18 to 72]

- a) Pharmaceutics
- b) Pharmaceutical Chemistry
- c) Pharmaceutical Analysis
- d) Regulatory Affairs
- e) Pharmacology


Executive Registrar

Encl.: Appendix–A and B

NIRMA UNIVERSITY
Institute of Pharmacy

Teaching & Examination Scheme (M. Pharm - Pharmaceuticals)

Semester II

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme					
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MPH201T	Molecular Pharmaceutics (Nano Tech & Targeted DDS)	4	-	-	4	3.0	-	0.60	-	0.40
2	MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	4	-	-	4	3.0	-	0.60	-	0.40
3	MPH203T	Computer Aided Drug Delivery System	4	-	-	4	3.0	-	0.60	-	0.40
4	MPH204T	Cosmetics and Cosmeceuticals	4	-	-	4	3.0	-	0.60	-	0.40
5	MPH205P	Pharmaceutics Practical II	-	12	-	6	-	6.0	-	1.00	-
6	MPH206S	Seminar / Assignment	-	7	-	4	-	-	-	1.00	-
Total			16	19		26					
			35								

L: Lectures, P/T: Practicals/Tutorial, C: Credits
LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
CE: Continuous Evaluation

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NIRMA UNIVERSITY
Institute of Pharmacy
Teaching & Examination Scheme (M. Pharm- Pharmaceutical Analysis)

Semester - II

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme					
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MPA201T	Advanced Instrumental Analysis	4	-	-	4	3.0	-	0.60	-	0.40
2	MPA202T	Modern Bio-Analytical Techniques	4	-	-	4	3.0	-	0.60	-	0.40
3	MPA203T	Quality Control and Quality Assurance	4	-	-	4	3.0	-	0.60	-	0.40
4	MPA204T	Herbal and Cosmetic Analysis	4	-	-	4	3.0	-	0.60	-	0.40
5	MPA205P	Pharmaceutical Analysis Practical II	-	12	-	6	-	6.0	-	1.00	-
6	MPA206S	Seminar/Assignment	-	7	-	4	-	-	-	1.00	-
Total			16	19	-	26	-	-	-	-	-
			35								

L: Lectures, P/T: Practicals/Tutorial, C: Credits
 LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
 CE: Continuous Evaluation

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NIRMA UNIVERSITY
Institute of Pharmacy
Teaching & Examination Scheme (M. Pharm - Regulatory Affairs)

Semester - II

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme					
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MRA201T	Regulatory Aspects of Drugs & Cosmetics	4	-	-	4	3.0	-	0.60	-	0.40
2	MRA202T	Regulatory Aspects of Herbal & Biologicals	4	-	-	4	3.0	-	0.60	-	0.40
3	MRA203T	Regulatory Aspects of Medical Devices	4	-	-	4	3.0	-	0.60	-	0.40
4	MRA204T	Regulatory Aspects of Food & Nutraceuticals	4	-	-	4	3.0	-	0.60	-	0.40
5	MRA205P	Regulatory Affairs Practical II	-	12	-	6	-	6.0	-	1.00	-
6	MRA-206S	Seminar/Assignment	-	7	-	4	-	-	-	1.00	-
Total			16	19	-	26	-	-	-	-	-
			35								

L: Lectures, P/T: Practicals/Tutorial, C: Credits
 LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
 CE: Continuous Evaluation

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NIRMA UNIVERSITY
Institute of Pharmacy
Teaching & Examination Scheme (M. Pharm - Pharmacology)

Semester II

Sr. No.	Course Code	Course Title	Teaching Scheme			Examination Scheme					
			L	LPW/PW	T	C	Duration		Component Weightage		
							SEE	LPW/PW	CE	LPW/PW	SEE
1	MPL201T	Advanced Pharmacology-II	4	-	-	4	3.0	-	0.60	-	0.40
2	MPL202T	Pharmacological and Toxicological Screening Methods-II	4	-	-	4	3.0	-	0.60	-	0.40
3	MPL203T	Principles of Drug Discovery	4	-	-	4	3.0	-	0.60	-	0.40
4	MPL204T	Clinical research and Pharmacovigilance	4	-	-	4	3.0	-	0.60	-	0.40
5	MPL205P	Pharmacological Practical- II	-	12	-	6	-	6.0	-	1.00	-
6	MPL206S	Seminar / Assignment	-	7	-	4	-	-	-	1.00	-
Total			16	19		26					
			35								

L: Lectures, P/T: Practicals/Tutorial, C: Credits
 LPW/PW: Laboratory / Project Work

SEE: Semester End Examination
 CE: Continuous Evaluation

Aditya