

THE TAMIL NADU Dr. M.G.R.MEDICAL UNIVERSITY  
Post Bag No.1200, No.69, (Old No.40) Anna Salai, Guindy,  
Chennai – 600 032. Phone No.22353576 – 79, Fax : 91-44-22353698.  
Grams : MEDICLAVE, Web Site: www.tnmgrmu.ac.in

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**Prof.Dr.T. BALASUBRAMANIAN M.S.DLO.,  
REGISTRAR.**

**AC-II(4)/06665/2017**

**Dated:24.07.2017**

To  
The Principals of all Pharmacy Colleges  
affiliated to this University.

Sir/Madam,

- Sub: Academic – The Tamil Nadu Dr. M.G.R. Medical University,  
Chennai – Resolutions of Standing Academic Board  
Meeting held on 27.04.2017 – Communicated – Regarding.
- Ref: 1. Minutes of the Meeting of the Board of Studies in UG/PG Pharmacy  
Courses held on 19-04-2017.  
2. Extract of the Minutes of the Meeting of the 53<sup>rd</sup> Standing  
Academic Board held on 27-04-2017.  
3. Copy of Resolution No. 25 Passed at 253<sup>rd</sup> meeting of the  
Governing Council, held on 29-06-2017.

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I am to inform you that the Meeting of the Board of Studies in **UG/PG Pharmacy** Courses was held on 19.04.2017 and discussed various academic matters. The decisions of the Board of Studies in Pharmacy Courses was resolved by the 53<sup>rd</sup> meeting of the Standing Academic Board, held on 27.04.2017 and passed in the 253<sup>rd</sup> Meeting of the Governing Council held on 29.06.2017 which are detailed below:

**POINT NO:1**

**B-PHARM AND M-PHARM REGULATION AND SYLLABUS PRESCRIBED BY THE PHARMACY COUNCIL OF INDIA, NEW DELHI TO BE IMPLEMENTED FROM 1ST AUGUST 2017 ONWARDS**

It was resolved to approve -



**Dr. N.SENTHILKUMAR,  
PRINCIPAL**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY  
ETHIRMEDU, KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMIL NADU, INDIA.**

1. the Regulations and Syllabus for B. Pharm and M. Pharm prescribed by the Pharmacy Council of India, New Delhi and be implemented from the academic year 2017-2018 admission onwards.

2. First semester examination for M. Pharmacy will be held from November 15<sup>th</sup> onwards as the course of study starts from 1<sup>st</sup> June and 100 working days are essential for the completion of a semester. The 2nd semester Examinations will be held from May 15<sup>th</sup> onwards.

3. For B.Pharmacy course - Odd semester Examinations will be held from 1st February onwards and Even semester Examinations from 1st August onwards.

**POINT NO:2**

**CERTAIN POINTS ON PHARM.D COURSE:**

I. Confirmation regarding the First year Pharm. D University Examinations in the month of August, 2017 for the candidates admitted during the academic year 2016-17 as discussed in the previous BOS (Pharmacy) meeting.

**It was resolved**

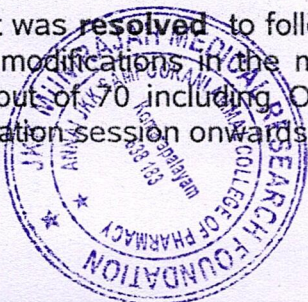
1. From the Academic year 2017-18 onwards, First year Pharm.D University theory examinations shall be conducted in the month of August.
2. To conduct First Year Pharm.D University Practical Examinations after the completion of B.Pharm University Practical Examinations. The Pharm-D Second to Fifth year University theory Examinations shall be conducted as per the existing schedule.
3. Since, the new PCI Syllabus & Regulation has to be followed from 2017-18 batch onwards, a decision has to be taken whether to adopt the suggested change of syllabus in the subject Advance Pharmacognosy for the Final year B.Pharm.

It was resolved to adopt the change of syllabus recommended by the PCI in the subject Advance Pharmacognosy for the Final year B.Pharm. This will be implemented for the candidates admitted from the academic year 2014-15 admission onwards.

**II. Modifications in the mark statement for the Pharm.D course:**

In the marks statement, there must be an additional column showing the practical marks out of 70 including Orals.

It was resolved to follow the recommendations of the 52nd Standing Academic Board for the modifications in the mark statement for the course Pharm.D showing the Practical marks out of 70 including Orals. This has already been implemented from October 2016 Examination session onwards.



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**NAMAKKAL DISTRICT, TAMIL NADU, INDIA.**

4. A Proposal to be sent to Pharmacy Council of India, New Delhi to conduct a Seminar/Workshop at the Tamil Nadu Dr.M.G.R Medical University, Chennai, to update the Faculty Members of the affiliated colleges about .the PCI's new regulation & syllabus in both B.Pharm & M.Pharm courses.

It was also **resolved** to send a proposal to the PCI, to conduct the Seminar/Workshop at the University premises for the benefit of faculties of the affiliated Institutions preferably during 3rd week of July on 20 and 21st July 2017

**POINT NO:3**

It was resolved to modify the Distribution of Practical /Oral Marks for M.Pharmacy subjects which was a typographical error as approved in the 52nd Standing Academic Board as follows:-

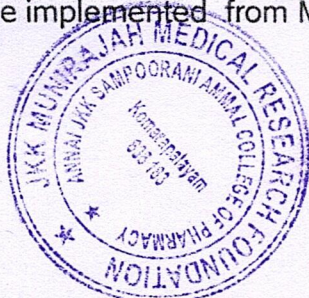
**M.Pharmacy - Modern Pharmaceutical Analytical Technology as approved in 52<sup>nd</sup> SAB**

Reg. No	App	Written	Practical	Oral	Total. IA	Practical I.A	G.Total	Results
Max		100	80	20	50	50	300	
Min.Pass		50	40	10	NM	NM	100	

**Distribution of Practical/Oral marks for all the M.Pharmacy subjects of All Specialities as follows:-**

Reg. No	App	Written	Practical	Oral	Theory. IA	Practical I.A	G.Total	Results
Max		100	80	20	50	50	300	
Min.Pass		50	40	10	NM	NM	150	

This will be implemented from May 2017 Examination session onwards.



*(Signature)*  
**Dr. N.SENTHILKUMAR,**  
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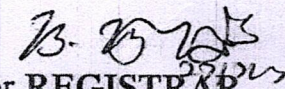
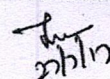
I request that the decisions of the Standing Academic Board as mentioned above may be communicated to all the professors and Head of the Departments for information and further followup action in this regard.

I am also to request that a copy may be displayed on the Notice Board of the College and Hostel for information to the students concerned.

The above decisions are available in the University website - [www.tnmgrmu.ac.in](http://www.tnmgrmu.ac.in)  
→ academic decisions.

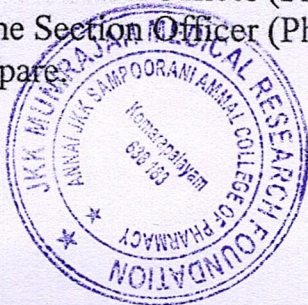
I request that the receipt of this letter may be acknowledged.

Yours faithfully,

  
for REGISTRAR  


Copy to:

1. The Chairman and Members of the Board of Studies in Pharmacy
2. The Vice Chancellor's Office (Through the Personal Secretary)
3. The Controller of Examinations i/c
4. The Academic Officer
5. The Course i/c (Pharmacy)
6. The Assistant Registrar (Affiliation Pharmacy).
7. The Deputy Registrar (Academic)
8. The Assistant Registrar (Examinations Pharmacy)
9. Personal Secretary to Registrar
10. The Systems Analyst - With a request to publish in the University Website
11. The Section Officer (Pharmacy - Academic Wing )
12. The Section Officer (Pharmacy Section in Exam Wing) I II
13. The Section Officer (Pharmacy Section in Affiliation) I II
14. Spare



  
Dr. N.SENTHILKUMAR,  
PRINCIPAL

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NAMAKKAL DISTRICT. TAMIL NADU. INDIA.

Pharmacy Council of India  
New Delhi

Rules & Syllabus for the Bachelor  
of Pharmacy (B. Pharm) Course

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[Framed under Regulation 6, 7 & 8 of the Bachelor of  
Pharmacy (B. Pharm) course regulations 2014]

## 7. Program/Course credit structure

As per the philosophy of **Credit Based Semester System**, certain quantum of academic work viz. theory classes, tutorial hours, practical classes, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

### 7.1. Credit assignment

#### 7.1.1. Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and /or tutorial (T) hours, and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having three lectures and one tutorial per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

### 7.2. Minimum credit requirements

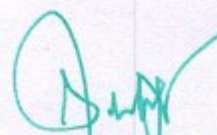
The minimum credit points required for award of a **B. Pharm. degree is 208**. These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester-wise as shown in Table IX. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

The lateral entry students shall get **52 credit points transferred from their D. Pharm program**. Such students shall take up additional remedial courses of 'Communication Skills' (Theory and Practical) and 'Computer Applications in Pharmacy' (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.

## 8. Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.



  
Dr. N. SENTHIL KUMAR,  
PRINCIPAL,

### 9. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

**Table-I: Course of study for semester I**

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I– Theory	3	1	4
BP102T	Pharmaceutical Analysis I – Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication skills – Theory *	2	-	2
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2	-	2
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I – Practical	4	-	2
BP109P	Pharmaceutics I – Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication skills – Practical*	2	-	1
BP112RBP	Remedial Biology – Practical*	2	-	1
<b>Total</b>		<b>32/34<sup>s</sup>/36<sup>#</sup></b>	<b>4</b>	<b>27/29<sup>s</sup>/30<sup>#</sup></b>

<sup>#</sup>Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.

<sup>s</sup>Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

\* Non University Examination (NUE)



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**Table-II: Course of study for semester II**

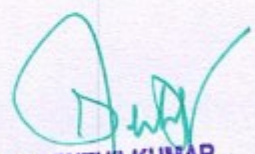
Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BP203T	Biochemistry – Theory	3	1	4
BP204T	Pathophysiology – Theory	3	1	4
BP205T	Computer Applications in Pharmacy – Theory *	3	-	3
BP206T	Environmental sciences – Theory *	3	-	3
BP207P	Human Anatomy and Physiology II – Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I – Practical	4	-	2
BP209P	Biochemistry – Practical	4	-	2
BP210P	Computer Applications in Pharmacy – Practical*	2	-	1
<b>Total</b>		<b>32</b>	<b>4</b>	<b>29</b>

\*Non University Examination (NUE)

**Table-III: Course of study for semester III**

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BP302T	Physical Pharmaceutics I – Theory	3	1	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	4
BP304T	Pharmaceutical Engineering – Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BP306P	Physical Pharmaceutics I – Practical	4	-	2
BP307P	Pharmaceutical Microbiology – Practical	4	-	2
BP 308P	Pharmaceutical Engineering – Practical	4	-	2
<b>Total</b>		<b>28</b>	<b>4</b>	<b>24</b>



  
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**Table-IV: Course of study for semester IV**

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	4
BP402T	Medicinal Chemistry I – Theory	3	1	4
BP403T	Physical Pharmaceutics II – Theory	3	1	4
BP404T	Pharmacology I – Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I– Theory	3	1	4
BP406P	Medicinal Chemistry I – Practical	4	-	2
BP407P	Physical Pharmaceutics II – Practical	4	-	2
BP408P	Pharmacology I – Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	4	-	2
<b>Total</b>		<b>31</b>	<b>5</b>	<b>28</b>

**Table-V: Course of study for semester V**

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3	1	4
BP502T	Industrial PharmacyI– Theory	3	1	4
BP503T	Pharmacology II – Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II– Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	4
BP506P	Industrial PharmacyI – Practical	4	-	2
BP507P	Pharmacology II – Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	-	2
<b>Total</b>		<b>27</b>	<b>5</b>	<b>26</b>



  
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**Table-VI: Course of study for semester VI**

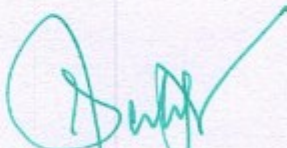
Course code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III – Theory	3	1	4
BP602T	Pharmacology III – Theory	3	1	4
BP603T	Herbal Drug Technology – Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	4
BP606T	Quality Assurance – Theory	3	1	4
BP607P	Medicinal chemistry III – Practical	4	-	2
BP608P	Pharmacology III – Practical	4	-	2
BP609P	Herbal Drug Technology – Practical	4	-	2
<b>Total</b>		<b>30</b>	<b>6</b>	<b>30</b>

**Table-VII: Course of study for semester VII**

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3	1	4
BP702T	Industrial PharmacyII – Theory	3	1	4
BP703T	Pharmacy Practice – Theory	3	1	4
BP704T	Novel Drug Delivery System – Theory	3	1	4
BP705P	Instrumental Methods of Analysis – Practical	4	-	2
BP706PS	Practice School*	12	-	6
<b>Total</b>		<b>28</b>	<b>5</b>	<b>24</b>

\* Non University Examination (NUE)



  
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**Table-VIII: Course of study for semester VIII**

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma Marketing Management	3 + 3 = 6	1 + 1 = 2	4 + 4 = 8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
<b>Total</b>		<b>24</b>	<b>4</b>	<b>22</b>

**Table-IX: Semester wise credits distribution**

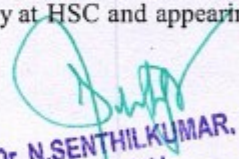
Semester	Credit Points
I	27/29 <sup>S</sup> /30 <sup>#</sup>
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co curricular activities	01*
<b>Total credit points for the program</b>	<b>209/211<sup>S</sup>/212<sup>#</sup></b>

\* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

<sup>S</sup>Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

<sup>#</sup>Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.



  
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