ANNAMACHARYA UNIVERSITY

(Estd A.P. Private Universities (Establishment and Regulation) Act, 2016)

RAJAMPET-516126, Annamayya District, A.P, INDIA

ACADEMIC REGULATIONS (AU26), COURSE STRUCTURE AND SYLLABI

For the students admitted to

Pharm. D (DOCTOR OF PHARMACY)

Regular Six-Year Programme from the Academic Year 2026-27

VISION AND MISSION OF THE UNIVERSITY

VISION

To be a globally recognized university by providing value-based education and promoting innovation and research for societal betterment

MISSION

The mission of the University is:

1. To embody 'Vidwan Sarvatra Pujyathey'.
2. To deliver high-quality education by encouraging research, innovation, and critical thinking
3. To nurture upright individuals by fostering an inclusive environment and inspiring service to society

ACADEMIC RULES AND REGULATIONS OF SIX-YEAR PHARM. D REGULAR DEGREE PROGRAMME

APPLICABLE FOR THE STUDENT BATCHES ADMITTED FROM THE ACADEMIC YEAR 2026-27

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1. PREAMBLE

Annamacharya University, is a private University, established under the brownfield category as per the Andhra Pradesh Private Universities (Establishment and Regulation) Act of 2016 (Act No. 3 of 2016), subsequently amended by Act No. 2 of 2024, as published in the Extraordinary Gazette of Andhra Pradesh via gazette notification G.O.Ms. No. 13 dated 13.03.2024. The University Grants Commission (UGC) has included it in the list of UGC-listed Universities vide letter no. F.8-22/2024 (CPP-I/PU)-148904, dated 03.04.2025.

Annamacharya University, Rajampet, relentlessly aims to achieve academic excellence by implementing new initiatives in teaching-learning and evaluation processes. Based on the directions of the University Grants Commission (UGC), New Delhi, All India Council for Technical Education (AICTE), New Delhi, Pharmacy Council of India (PCI), New Delhi, Department of Higher Education, Government of Andhra Pradesh, and Andhra Pradesh State Council of Higher Education (APSCHE), the university has adopted the AICTE and APSCHE model curriculum with minor modifications to match the needs, expectations, and skill sets of students in the state, in Pharm. D programme offered from the academic year 2026-27.

Annamacharya University is promoting enhanced learning abilities through the integration of various skills into the curriculum, including (a) Critical Thinking, (b) Problem Solving, (c) Analytical Reasoning, (d) Scientific Reasoning, (e) Reflective Thinking, and (f) Design Thinking etc.,

Objectives:

The objectives of offering the Pharm.D program are:

1. To empower students to focus on conceptual and empirical Pharmacy knowledge.
2. To encourage a multidisciplinary perspective.
3. To encourage depth and breadth in understanding complex issues.
4. To provide broad interdisciplinary training with a well-sequenced curriculum over a sufficient length of time, giving students adequate preparation in their chosen field, either for higher studies or professional career.

Academic Council:

The academic council in a private university plays a pivotal role in maintaining and enhancing the academic standards and quality of education. The academic council coordinates and exercises general supervision over the academic policies of the university.

The Department Board of Studies (BoS):

Each department within the University will have a Board of Studies common to the UG, PG, and Doctoral programs offered by the department. The Dean/Head of the department will serve as the Chairman of the Department Board of Studies. The Board of Studies has been constituted as per the guidelines of the university statutes. The rules, regulations, curriculum, syllabus, and other academic matters shall be approved by the Board of Studies before being placed in the Academic Council and subsequently the Board of Management.

Office of the Dean, Academics:

The office of the Dean, Academics, is responsible for the implementation of the decisions taken on academic matters by the Academic Council. The office:

- Receives, processes, and maintains all records relating to the programs, including curricula, courses offered, academic calendar, registration, assessments, and grades.
- Disseminates information pertaining to all academic matters, issues necessary memoranda/orders, and acts as a channel of communication between the students, instructors, and departments.
- Provides information about various academic programs, rules, and regulations to students.

2. REGULATIONS COMMENCEMENT

- The regulations are quite comprehensive and include definitions of key terms and other relevant details.
- The regulations detailed herein shall apply to the regular Pharm. D programme offered by the University.
- The regulations shall be applicable and come into force to the student batches admitted from the academic year 2026-27.

- The University may revise, amend or change the regulations, scheme of examinations and syllabi, from time to time, if found necessary and on approval from the Academic Council of the University, keeping the recommendations of the Board of Studies (BoS) in view.
- Any or all such amendments shall be effective from such date and to such batches of students including those already undergoing the programme, as may be approved through Academic Council of the University.
- These regulations shall be called AU26 Regulations.

3. ELIGIBILITY FOR ADMISSION

Admission into Pharm.D (6-Year Regular Programme)

- Academic Criteria: **A pass in any of the following qualifying examinations:**
- 10+2 examination with Physics and Chemistry as compulsory subjects along with either Mathematics or Biology; **OR**
- A pass in B. Pharm from an institution approved by the Pharmacy Council of India under Section 12 of the Pharmacy Act, 1948; **OR**
- Any other qualification approved by the PCI as equivalent.
- **Age Requirement:** The candidate must complete 17 years of age on or before 31st December of the year of admission.
- **Seat Quota and Entrance Examinations:** Admissions under Category-A (Convener Quota) and Category-B (Management Quota / AUET) shall be governed by the applicable guidelines of the Government of Andhra Pradesh and the university.
- **Intake Restriction:** Total intake shall be strictly restricted to **30 seats** per academic year or as prescribed by the PCI. However, in accordance with the guidelines issued by the Central/State Government and the **PCI**, an additional **10% supernumerary seats** (over and above the sanctioned intake of 30 seats) shall be granted for the **EWS category**.
- Seats in each programme in the University are classified into two categories i.e., Brownfield and Greenfield. Further under brownfield category seats are filled through two categories, i.e., Category – A and Category – B as per the GOs of Andhra Pradesh.

BROWNFIELD CATEGORY

- The existing institution is converted into a brownfield university. The admission of students into the existing approved intake will be regulated by the admission rules and seat-sharing policies applicable to the University, as defined under Section 2(4-A) of the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016. This means that 70% of the seats in the existing courses at the university will be filled through the convener of EAPCET.

In this category, the seats are filled through Convener quota / Category – A and Management Quota / Category – B.

Category – A Seats (70% of seats)

These seats shall be filled through counselling as per the rank secured by a candidate in the Common Entrance Test (EAPCET) conducted by the Government of Andhra Pradesh and as per other admission criteria laid down in the GOs.

Category – B Seats (30% of seats):

These seats shall be filled by the University through AUET and the GOs issued by the Government of Andhra Pradesh from time to time. Annamacharya University Entrance Test (AUET) is conducted across India for those seeking admission to Pharmacy programmes offered by Annamacharya University. The eligibility criteria for appearing for AUET, the format, and other details will be specified in the application form and will be determined by the Office of the Director, Admission, Annamacharya University for the respective year of admissions.

GREENFIELD CATEGORY:

Furthermore, the admission rules for the brownfield university regarding any additional intake, new courses, or additional courses approved after conversion shall follow the regulations applicable to a greenfield university.

The university shall reserve 35% of seats in engineering, science, and other programs for the Government Quota and admit students in accordance with the rules prescribed for any additional intake in existing programs, as per the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016.

Category – A Seats (35% of seats)

These seats shall be filled through counselling as per the rank secured by a candidate in the Common Entrance Test (EAPCET) conducted by the Government of Andhra Pradesh and as per other admission criteria laid down in the GOs.

Category – B Seats (65% of seats):

These seats shall be filled by the University through AUET and the GOs issued by the Government of Andhra Pradesh from time to time. Annamacharya University Entrance Test (AUET) is conducted across India for those seeking admission to Engineering programmes offered by Annamacharya University. The eligibility criteria for appearing for AUET, the format, and other details will be specified in the application form and will be determined by

the Office of the Director, Admission, Annamacharya University for the respective year of admissions.

3.1 Authority for Admission:

Any matter related to admission to the Pharm.D., programme, the decision of the Office of the Director, Admissions is final.

3.2 Revoking / Cancellation of Admission:

All students admitted provisionally to any program must submit copies of their original mark sheets, provisional certificates, and any other documents required by the Director of Admissions by the last date specified in the Academic Calendar of Annamacharya University.

The Registrar, based on the recommendation of the Director of Admissions, may cancel the admission of any student who fails to submit the prescribed documents by the specified date or does not meet other stipulated requirements. Additionally, the Registrar may cancel the admission later if it is discovered that the student provided false information, suppressed information, misrepresented facts, or forged documents while seeking admission or thereafter, and report the matter to the Vice Chancellor.

4. MEDIUM OF INSTRUCTION

The medium of instruction shall be **English** for all the courses including their content delivery and examinations, seminars, presentations, clerkship evaluation, project evaluation and internship evaluation as prescribed in the programme curriculum.

5. Pharm. D PROGRAMME STRUCTURE

The structure of the Pharm. D Programme offered at Annamacharya University is based on the course structure as suggested by the Pharmacy Council of India (PCI).

Annual Scheme

- The Pharm. D Programme offered at Annamacharya University follow **annual examination** pattern.
- The duration of a Pharm. D Programme shall be of 6 **academic** years for 6-years Pharm. D programme. The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases

  Phase I – consisting of First, Second, Third, Fourth and Fifth academic year.

Phase II – consisting of internship or residency training during sixth year involving posting in specialty units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.

- Each year shall have **Internal Evaluation** and **Annual Examinations** for both Theory and Lab courses.
- A student after securing admission into a 6-year Pharm. D Programme at Annamacharya University shall pursue and acquire the Pharm. D. degree in a **minimum period of Six academic years** and a **maximum period of Twelve academic years** starting from the date of commencement of I year, failing which the student shall forfeit the seat in Pharm. D Programme.
- University shall take measures to implement Virtual Labs (https://www.vlab.co.in) which provide remote access to labs in various disciplines of pharmacy and will help student in learning basic and advanced concepts through remote experimentation. Student shall be made to work on virtual lab experiments during the regular labs.

6. PROGRAMMES OFFERED BY THE UNIVERSITY

The Pharm. D programme is offered by the University from the 2026-27.

S. No	Name of the Program	Programme Code
1	Pharm. D	PMD

7. Types of Courses

Types of Courses	Course Category	Code
Foundation	Basic Sciences	
Core	Professional Core	PC
Clerkship	Clerkship	H
Project work	Project work	P
Internship	Internship	I
Language Elective	Elective Courses	

7.1 Foundation Courses

Basic Science Courses viz., Remedial biology and remedial mathematics courses are termed as Foundation Courses and are offered during I Year.

7.2 Professional Core Courses

Professional Core Course is to be completed by all students of respective programme before they can move on to the next year.

7.3. Clerkship

Clerkship is a structured, supervised clinical training component of the 5th Year Pharm.D. curriculum, where students attend ward rounds daily and apply classroom knowledge in real patient-care settings under the supervision of a preceptor. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship.

7.4. Project work

To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions. The main objectives of the project work is to show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and to develop the students in data collection, analysis and reporting and interpretation skills.

7.5. Internship

Phase II period of Pharm.D. program consisting of internship or residency training during sixth year involving posting in specialty units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently. Student should independently provide the clinical pharmacy services to the allotted wards (Six months in General Medicine department, and Two months each in three other specialty departments).

7.6 Language Elective

Students can register for either German, French, Spanish, or Arabic based on their choice and complete the online certificate course in the semester it is offered. One hour is allocated in the regular timetable, and the teacher will guide the students, if they encounter any difficulties during the course.

Evaluation will include participation in classroom discussions, self-assessment only.

• The course will be graded on a Pass/Fail basis. A pass grade is awarded upon verification of the completion certificate.

• Failure to complete the course within the stipulated time, the language elective need to be retaken.

• A committee shall be formed at the level of the University to evaluate the grades/marks given for a course by external agencies and convert to the equivalent marks/grades. The recommended conversions and appropriate grades/marks are to be approved by the Academic Council of the

university.

8. Evaluation Process

- Theory examination shall be of three hours and Laboratory examination shall be of four hours duration.
- The performance of a student in each year shall be evaluated course-wise with a maximum of 100 marks for both Theory and Lab Course.
- For both Theory and Laboratory course, the distribution shall be 30 marks for Internal Evaluation and 70 marks for End-Evaluation.
- A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.
- Laboratory examination shall also consist of a viva –voce (Oral) examination.
- Clerkship work shall be evaluated for 100 marks, the distribution shall be 30 marks for Internal Evaluation and 70 marks End- Evaluations.
- Project Work shall be evaluated for 100 marks, the distribution shall be 30 marks for Internal Evaluation and 70 marks End- Evaluations.

8.1 Internal Evaluation

8.1.1 Theory Internal Evaluation

Three internal exams shall be conducted for each theory course as per the schedule fixed by the university. The duration of internal theory examination shall be of 2 hours. The scheme of question paper for theory internal examinations is given below.

Question paper pattern for Internal Examination (30 Marks) shall be as follows:

PART A: Objective Type Questions (Answer all 5 questions) - 5 x 2 = 10 Marks

PART B: 20 Marks Long Answers (Answer 2 out of 4) - 10 x 2 = 20 Marks

The questions shall be set/ moderated such that the student can comfortably answer each question within the stipulated time.

Final internal marks are calculated by taking the average of the best marks obtained in two internal examinations.

For Example:

Marks obtained in I Internal examination: 29
Marks obtained in II Internal examination: 20

Marks obtained in II Internal examination: 27

Final Internal Marks: 29+27= 56/2 = 28

If the student is absent for any one Internal examination, the final internal marks shall be arrived at by considering the average of two attempted internal marks.

Marks obtained in I Internal examination: 29

Marks obtained in II Internal examination: Absent

Marks obtained in II Internal examination: 27

Final Internal Marks: 29+27= 56/2 = 28

If the student is absent for two Internal examination, the final internal marks shall be arrived at by considering the average of two attempted internal marks.

For Example:

Marks obtained in I Internal examination: 28

Marks obtained in II Internal examination: Absent

Marks obtained in II Internal examination: Absent

Final Internal Marks: 28 +0+0 =28/2=14.

8.1.2 Internal Laboratory Evaluation

Two Laboratory Internal examinations shall be conducted for 20 marks by the concerned teacher. Final Lab internal marks are calculated by taking the average of the marks obtained in two internal Laboratory examinations. Out of the 30 marks allotted for Laboratory Internal Evaluation, day-to-day performance of the student in the laboratory shall be evaluated for 10 marks by the concerned laboratory teacher based on regularity, promptness, viva-voce and record maintenance.

Internal Practical Question paper pattern for the laboratory courses Remedial Biology, Anatomy and Physiology, Pharmacognosy & Phytopharmaceuticals and Pharmacology-II are as follows:

Identification	: 04 Marks
Synopsis	: 04 Marks
Major Experiment	: 07 Marks
Minor Experiment	: 03 Marks
Viva	: 02 Marks

Regularity, promptness, viva-voce and record maintenance : 10 Marks

The Question paper pattern for the other laboratory courses are as follows:

Synopsis : 05 Marks

Major Experiment : 10 Marks

Minor Experiment : 03 Marks

Viva : 02 Marks

Regularity, promptness, viva-voce and record maintenance : 10 Marks

8.2 Theory End Evaluation

8.2.1 Theory End Evaluation

End examination of theory subjects shall be conducted at the end of the academic year. There shall be Regular and Supplementary End Examinations. Theory End Examination shall be conducted for 70 marks and is of 3 hours duration.

The Question paper pattern for Year End Examination (70 Marks) shall be as follows.

I. Short Answer Questions: 10 Questions (Answer all) = 10 x 2 = 20

II. Long Answers (Either Or type) = 5 x 10 = 50

Total = 70 Marks

8.2.2 Lab End Evaluation

Lab End Evaluation is done for 70 marks, in the form a Lab End Examination that shall be conducted for 4 hours in respective Laboratory. Each lab course will have its own evaluation procedure and weightage.

The End Laboratory Question paper pattern for the laboratory courses Remedial Biology, Anatomy & physiology Pharmacognosy & Phytopharmaceuticals and Pharmacology-II are as follows:

Identification : 10 Marks

Synopsis : 10 Marks

Major Experiment : 20 Marks

Minor Experiment : 15 Marks

Viva	: 15 Marks
Total	: 70 Marks

The Question paper pattern for the other laboratory courses are as follows

Synopsis	: 15 Marks
Major Experiment	: 25 Marks
Minor Experiment	: 15 Marks
Viva	: 15 Marks
Total	: 70 Marks

8.2.3 Supplementary Theory / Lab End Examinations

(1) A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.

(2) Supplementary examination (advanced) may be conducted within three months after announcement of the regular examination results.

8.2.4 Challenge Evaluation, Revaluation and Recounting

Students may visit Examination Section Webpage for Norms and Procedures for Challenge Evaluation, Revaluation and Recounting of Answer Scripts. (Refer to Appendix IV).

9. Hospital Postings

9.1 Hospital Postings

Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.

10. Clerkship Evaluation

Every student must attend ward rounds as per the Appendix-I of these regulations on daily basis as a part of clerkship. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed during internal and external evaluation.

Internal evaluation of Clerkship shall be done periodically to evaluate the student's capabilities.

Oral examination (external) shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical

cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

Scheme of Clerkship Evaluation

S.NO	Internal Evaluation	Marks	External Evaluation	Marks
1.	Case presentation	10 M	Case presentation	30 M
2.	Clinical Pharmacy Activities	05 M	Clinical Pharmacy Activities	20 M
3.	Reviewing clerkship activities carried out by the student as per clinical data book.	03M	Reviewing clerkship activities carried out by the student as per clinical data book.	10 M
4.	Viva	05 M	Viva	10 M
5.	Regularity & promptness	10 M	-	-
6.	Total	30 M	Total	70 M

The sufficient number of clerkship activities must be documented in a bound format and assessed in internal and final examination.

11. Project Evaluation

The following methodology shall be adopted for evaluating the project work (Appendix-II)

(i) Project work shall be evaluated by internal and external examiners.

(ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).

(iii) Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.

(i) Internal evaluation can be done by the HOD, Supervisor and one senior faculty.

(ii) External examiner is appointed by the university panel of examiners submitted by the HOD/HOI and project work will be evaluated by one examiner nominated by the university.

(v) Evaluation shall be done on the following items: Marks

a) Write up of the seminar (7.5)

b) Presentation of work (7.5)

c) Communication skills (7.5)

d) Question and answer skills (7.5)

Total (30 marks)

(v) Final evaluation of project work shall be done on the following items: Marks

a) Write up of the seminar (17.5)

b) Presentation of work (17.5)

c) Communication skills (17.5)

d) Question and answer skills (17.5)

Total (70 marks)

Explanation.— For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b, c and d mentioned above.

12. INTERNSHIP EVALUATION (Appendix-III):

i) The intern shall maintain a record of work which is to be verified and certified by the preceptor (teacher practioner) under whom he works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training. Based on the record of work and date of evaluation, the Dean or Principal shall issue certificate of satisfactory completion of training, following which the university shall award the degree or declare him eligible for it.

ii) Satisfactory completion of internship shall be determined on the basis of the following:-

(1) Proficiency of knowledge required for each case management SCORE 0-5 (2)

(2) The competency in skills expected for providing Clinical Pharmacy Services SCORE 0-5

(3) Responsibility, punctuality, work up of case, involvement in patient care SCORE 0-5

(4) Ability to work in a team (Behavior with other healthcare professionals including medical doctors, nursing staff and colleagues). SCORE 0-5

(5) Initiative, participation in discussions, research aptitude. SCORE 0-5 Poor

POOR	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

A Score of less than 3 in any of above items will represent unsatisfactory completion of internship

Note:

- A student can undergo his or her part of internship or residency training in some other hospital / super-specialty hospital in India or abroad not exceeding more than 3 months.
- He/ She are permitted with at least three months prior approval from the higher authorities with a written application seeking permission for the same to allow part of internship some other hospital / super-specialty hospital in India or abroad.
- A student who fails to complete the internship continuously for a period of one year or incomplete training during internship should complete the internship as per the prescribed guidelines and wait for

the subsequent notification for submission and evaluation of internship.

13. Attendance Requirements and Detention Policy

- A student shall maintain a minimum required attendance of 50% in each subject and 80% in AGGREGATE of all the subjects in a year.
- Shortage of attendance up to 10% i.e., attendance between 70% to 80% in aggregate, may be condoned by the University Academic Committee based on the rules prescribed by the Academic Council of the University from time to time.
- A stipulated fee shall be payable towards condonation of shortage of attendance.
- Shortage of attendance below 70 % shall in no case be condoned. A stipulated fee shall be payable towards condonation of shortage of attendance to the University as per following slab system.

  1st Slab: 75% - 80 % attendance but equal to or greater than 75 % a normal condonation fee can be collected from the student.

  2nd Slab: **70 – 75% %** but equal to or greater than 70 %, double the condonation fee can be collected from the student.
- If a student clears the minimum number of subjects required for promotion during the advanced supplementary examinations he/she can be promoted next to year and, so on.
- Every candidate shall be required, after passing the final Pharm. D. examination (Phase I) as the case may be to undergo compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of twelve months so as to be eligible for the award of the degree of Pharm. D.
- Students whose shortage of attendance is not condoned OR who have not paid the stipulated fee OR who have not cleared any other due to the University in any year are not eligible to write the year End Examination.
- Students, who do not meet the minimum required attendance of 70% in a year, shall be detained in that year and their registration for that academic year shall stand cancelled. They shall not be promoted to the next year.
- Students detained in a year shall seek re-admission into that year as and when offered.
- Academic regulations applicable to the year in which re-admission is sought shall be applicable to the re-admitted student.
- In case, there are any professional electives and /or open electives, the same may also be re-

registered, if offered. However, if those electives are not offered in the later years, then alternate electives may be chosen from the same set of elective courses offered under that category.

- Any student against whom any disciplinary action is pending shall not be permitted to attend year end examination in that academic year.

14. Minimum Academic Requirements and Award of the Degree

Minimum marks for passing examination.—

The following academic requirements must be satisfied in addition to the attendance requirements mentioned in section 14.

i) A student shall be promoted from first year to second year if he/she fulfills the minimum attendance requirement as per university norms. A student shall not be declared to have passed examination unless he or she secures at least 28 Marks (40%) marks in each of the subjects separately in the theory examinations, excluding Internal marks and at least 50% marks in each of the practical examinations excluding Internal marks.

The students securing 60% marks or above in aggregate in all subjects in the Pharm.D. course examination shall be declared to have passed in first class.

Students securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.

Award of class

Class Awarded	Aggregate Percentage
First Class with Distinction	75% marks or above
First Class	60% marks or above
Pass Class	50% -59.5% marks or above

Eligibility for promotion to next year.—

All students who have appeared for all the subjects and passed the first year annual examination are eligible for promotion to the second year and, so on. However, failure in more than three (excluding Remedial mathematics) subjects including supplementary examinations shall debar him or her from promotion to the next year classes.

Note: At any time of the course study a student should not have failed in more than 3 Subjects (excluding Remedial Mathematics/ Biology) to be eligible for promotion to next higher class.

Internship.— (1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.

(2) Every student has to undergo one year internship as per Appendix-III to these regulations.

15. Approval of examinations

Examinations mentioned in regulations 10 to12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix–D to these regulations.

16. Re-admission of Students

A student who has satisfied the minimum attendance requirement in any year may repeat that academic year, after obtaining written permission from the Registrar and cancelling the previous record of attendance and academic performance (viz; internal evaluation and external evaluation marks) of the or year. Minimum Instruction Days for a year The minimum instruction days for each year shall be not less than 200 working days .

17. Student transfers

Student transfers shall be as per the statutes and ordinances of the Annamacharya University and guidelines issued by the Government of Andhra Pradesh from time to time.

18. Announcement of results

- Results review committee comprising of Vice Chancellor, Registrar, Dean Academics, Chairman of various boards of studies, Controller of Examinations and Deputy Controller of Examinations will monitor the results and gives the permission for announcement of results.
- After review meeting results are loaded into university website from which students can access their results by entering Hall Ticket number. And also results in form of hard copy are available with respective Deans / Heads of the departments.

19. General Instructions:

- The academic regulations should be read as a whole for purpose of any interpretation.
- Malpractices rules-nature and punishments are appended.
- Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.
- In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor / Registrar / Governing body is final.
- Any legal issues are to be resolved in Rajampet Jurisdiction.

- The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.

APPENDIX-I – CLERKSHIP GUIDELINES

Goals:

1. To understand clinical dynamics by attending ward round on daily basis

2. To develop a sufficient, relevant, and experiential knowledge base to utilize appropriate resources necessary to provide direct patient care regarding individualized Therapeutic planning, intervention, and evaluation.

3. To master the clinical skills necessary to assume accountability and responsibility for therapeutic outcomes in the process of providing pharmaceutical care.

4. To develop professionalism and interpersonal skills as a member of team of health care providers, necessary for the provision of optimal patient care and pharmacy services

Objectives: After successful completion of the clerkship, the student will be able to confidently do

a. 1 Ward Round Participation
b. 2 Poison and Drug Information (PDIC)
c. 3 Medication History Interview
d. 4 Treatment Chart Review
e. 5 ADR Monitoring
f. 6 Drug Interactions
g. 7 Pharmacist Intervention
h. 8 Patient Counseling
i. 9 Case Presentation
j. Drug Club
k. Journal Club
l. Others

Reporting format: The sufficient number of clerkship activities as per the above-mentioned objectives must be documented in a bound format and assessed in internal and final examination as per the "Pharm D student's clerkship activity report and assessment form" annexed in the clinical data book.

Scheme of Clerkship Evaluation

S.No	Internal Evaluation	Marks	External Evaluation	Marks
1.	Case presentation	10 M	Case presentation	30 M
2.	Clinical Pharmacy Activities	05 M	Clinical Pharmacy Activities	20 M
3.	Reviewing clerkship activities carried out by the student as per clinical data book.	03M	Reviewing clerkship activities carried out by the student as per clinical data book.	10 M
4.	Viva	05 M	Viva	10 M
5.	Regularity & promptness	10 M	-	-
6.	Total	30 M	Total	70 M

The sufficient number of clerkship activities must be documented in a bound format and assessed in internal and final examination.

APPENDIX- II PROJECT WORK GUIDELINES

Project work:

(1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.

(2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.

Objectives of project work:

The main objectives of the project work is to—

(i) Show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and

(ii) Develop the students in data collection, analysis and reporting and interpretation skills.

Methodology:

To complete the project work following methodology shall be adopted, namely:—

(i) Students shall work in groups of not less than two and not more than four under an authorised teacher;

(ii) Project topic shall be approved by the Head of the Department or Head of the Institution; (iii)project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoeconomics;

(iii) Project work shall be approved by the institutional ethics committee;

(iv) Student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and (vi)two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

Reporting:

(1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorised teacher, Head of the Department as well as by the Head of the Institution (2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-tiles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorised teacher with font size 14.

(3) Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.

APPENDIX III- INTERNSHIP GUIDELINES

1) **SPECIFIC OBJECTIVES:**

i) To provide patient care in cooperation with patients, prescribers, and other members of an interprofessional health care team based upon sound therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social cultural, economic, and professional issues, emerging technologies, and evolving biomedical, pharmaceutical, social or behavioral or administrative, and clinical sciences that may impact therapeutic outcomes.

ii) To manage and use resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health; to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution; and to improve therapeutic outcomes of medication use.

iii) To promote health improvement, wellness, and disease prevention in co-operation with patients, communities, at-risk population, and other members of an interprofessional team of health care providers.

iv) To demonstrate skills in monitoring of the National Health Programmes and schemes, oriented to provide preventive and promotive health care services to the community.

v) To develop leadership qualities to function effectively as a member of the health care team organised to deliver the health and family welfare services in existing socio-economic, political and cultural environment.

vi) To communicate effectively with patients and the community.

2) **OTHER DETAILS:**

i) All parts of the internship shall be done, as far as possible, in institutions in India. In case of any difficulties, the matter may be referred to the Pharmacy Council of India to be considered on merits.

ii) Where an intern is posted to district hospital for training, there shall be a committee consisting of representatives of the college or university, and the district hospital administration, who shall regulate the training of such trainee. For such trainee a certificate of satisfactory completion of training shall be obtained from the relevant administrative authorities which shall be countersigned by the Principal or Dean of College.

iii) Every candidate shall be required, after passing the final Pharm.D. examination as the case may be to undergo compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of twelve months so as to be eligible for the award of the degree of Pharm.D. as the case may be.

3. ASSESSMENT OF INTERNSHIP :

i) The intern shall maintain a record of work which is to be verified and certified by the preceptor (teacher practioner) under whom he works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training. Based on the record of work and date of evaluation, the Dean or Principal shall issue certificate of satisfactory completion of training, following which the university shall award the degree or declare him eligible for it.

ii) Satisfactory completion of internship shall be determined on the basis of the following:-

1) Proficiency of knowledge required for each case management SCORE 0-5 (2)
2) The competency in skills expected for providing Clinical Pharmacy Services SCORE
3) Responsibility, punctuality, work up of case, involvement in patient care SCORE 0-5
4) Ability to work in a team (Behavior with other healthcare professionals including medical doctors, nursing staff and colleagues). SCORE 0-5
5) Initiative, participation in discussions, research aptitude. SCORE 0-5 Poor

POOR	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

A Score of less than 3 in any of above items will represent unsatisfactory completion of internship

Appendix IV: Norms and Procedures for Challenge Evaluation/Revaluation/Recounting

Revaluation / Recounting:

- The students who wish to apply for Revaluation/Recounting of his/her answer-books(s) must submit his/her application on the prescribed from together with the requisite fee to the Controller of Examinations before expiry of 15 days excluding the date of the declaration of his/her examination result. Application not received in the prescribed form or by the due date or without the requisite fee shall be rejected.
- After Recounting / Revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks. If there are no changes, the student shall be intimated the same through a notice.
- No Revaluation / Recounting for Laboratory Examination.
- The students are informed to be more careful in furnishing the information while applying for Recounting / Revaluation. The applications with insufficient information will be summarily rejected and the student has to forfeit the amount paid in this connection.

Challenge valuation:

- Applications are invited from the students who wish to apply for Challenge Valuation in the subjects of the Pharm. D Regular and Supplementary examinations.
- The student will apply for Challenge valuation in a specified application and should be routed through the HOD concerned.
- The students who have applied for the revaluation for a paper(s) of an examination are only eligible for the Challenge Valuation of that paper(s) of that examination.
- A Fee of Rs. 10000/- (Ten Thousand Rupees Only) for each paper is to be paid within the last date for challenge valuation.
- A Xerox copy of the answer script will be provided to the student on receipt of the payment of fee and date and time of the valuation will be informed to the student, so that valuation will be done in the presence of the teacher attended in support of the student nominated by the HOD concerned.
- The HOD concerned will nominate a teacher of the concerned subject to observe the valuation in support of the student. This will be done at the request of the student.
- If the marks obtained in the challenge valuation are more than or equal to 15% of the maximum marks with respect to the original marks obtained in the first valuation, then the marks obtained in the Challenge valuation will be awarded to the student and the University will pay back Rs 9,000 (Nine thousand rupees only) to the student. If the

student status changes from fail to pass, an amount of Rs. 5000 will be refunded to the student. Otherwise, there will not be any change in the result of the student and original marks will be retained and the student will forfeit the fee paid.

- No Challenge valuation for Laboratory Examination

APPENDIX V: Rules for Disciplinary Action for Malpractices / Improper Conduct in Examinations

Malpractices identified by squad or special invigilators or invigilators.

Punishments shall be given to the students as per the above guidelines. The case is to be referred to the malpractice committee.

Malpractice committee

1. The Vice Chancellor, Chairman
2. Registrar, Member
3. Dean, Academics, Member
4. Invigilator, Member
5. Subject expert, Member
6. Concerned Dean / Head of the Department, Member
7. Controller of Examinations, Member Secretary

Note:

Whenever the performance of a student is cancelled in any subject/subjects due to Malpractice, he has to register for End Examinations in that subject/subjects consequently and has to fill all the norms required for the award of Degree.

	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
1(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.

2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred for four consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for four consecutive semesters from class work and all University examinations, if his involvement is established. Otherwise, the candidate is debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject only.

6.	Refuses to obey the orders of the Chief Superintendent/Assistant — Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the University campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of student of the University, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. If the candidate physically assaults the invigilator/officer-in-charge of the Examinations, then the candidate is also debarred and forfeits his/her seat. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that year. The candidate is also debarred and forfeits the seat.

9.	If students of the university, who is not a candidate for the particular examination or any person not connected with the University indulges in nay malpractice or improper conduct mentioned in class 6 to 8.	Student of the university expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person (s) who does not belong to the University will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject only or in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester / year examinations, depending on the recommendation of the committee.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 12 shall be reported to the University for further action to award suitable punishment.	

17. Transcripts

After successful completion of the entire programme of study, a transcript containing performance of all academic years will be issued as a final record. Duplicate transcripts will also be issued, if required, after payment of requisite fee. Partial transcript will also be issued up to any point of study to a student on request.

18. Transitory Regulations

Discontinued, detained, or failed candidates are eligible for re-admission as and when the academic year is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished academic year from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered,

subject to Section 2 and they will follow the academic regulations into which they are re-admitted.

Candidates who are permitted to avail gap year shall be eligible for re-joining into the succeeding year of their Pharm. D from the date of commencement of class work, subject to Section 2 and they will follow the academic regulations into which they are re-admitted.

19. Re-admission of Students

A student who has satisfied the minimum attendance requirement in any year may repeat that academic year, after obtaining written permission from the Registrar and cancelling the previous record of attendance and academic performance (viz; internal evaluation and external evaluation marks) of the semester or year. This facility may be availed by any student at the maximum twice for a 6-year Pharm. D course, during the entire course of study.

20. Minimum Instruction Days for an academic year

The minimum instruction days for each academic year shall be not less than 200 working days.

21. Student transfers

Student transfers shall be as per the statutes and ordinances of the Annamacharya University and guidelines issued by the Government of Andhra Pradesh from time to time.

22. Announcement of results

- Results review committee comprising of Vice Chancellor, Registrar, Dean Academics, Chairman of various boards of studies, Controller of Examinations and Deputy Controller of Examinations will monitor the results and gives the permission for announcement of results.
- After review meeting results are loaded into university website from which students can access their results by entering Hall Ticket number. And also results in form of hard copy are available with respective Deans / Heads of the departments.

23. General Instructions:

- The academic regulations should be read as a whole for purpose of any interpretation.
- Malpractices rules-nature and punishments are appended.
- Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.
- In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor / Registrar / Governing body is final.
- Any legal issues are to be resolved in Rajampet Jurisdiction.
- The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.

ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY

(ESTD UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)

R26 PHARM. D REGULATIONS COURSE STRUCTURE

Doctor of Pharmacy (Pharm. D)

First Year

S. No.	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(6)**
1.1	26PPMD11T	Human Anatomy and Physiology	3	1	-
1.2	26PPMD12T	Pharmaceutics	2	1	-
1.3	26PPMD13T	Medicinal Biochemistry	3	1	-
1.4	26PPMD14T	Pharmaceutical Organic Chemistry	3	1	-
1.5	26PPMD15T	Pharmaceutical Inorganic Chemistry	2	1	-
1.6	26PPMD16AT/ 26PPMD16BT	Remedial Mathematics/ Remedial Biology	3	1	-
1.7	26PPMD11L	Human Anatomy and Physiology	-	-	3
1.8	26PPMD12L	Pharmaceutics	-	-	3
1.9	26PPMD13L	Medicinal Biochemistry	-	-	3
1.10	26PPMD14L	Pharmaceutical Organic Chemistry	-	-	3
1.11	26PPMD15L	Pharmaceutical Inorganic Chemistry	-	-	3
1.12	26PPMD16BL	Remedial Biology	-	-	3*
		Total hours	**16**	**6 = (40)**	**18**

* For Biology

Second Year

S. No	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(6)**
2.1	26PPMD21T	Pharmacotherapeutics-I	3	1	-
2.2	26PPMD22T	Pharmaceutical Microbiology	3	1	-
2.3	26PPMD23T	Pharmacognosy & Phytopharmaceuticals	3	1	-
2.4	26PPMD24T	Pharmacology-I	3	1	-
2.5	26PPMD25T	Community Pharmacy	2	1	-
2.6	26PPMD26T	Pathophysiology	3	1	-
2.7	26 PPMD21L	Pharmacotherapeutics-I	-	-	3
2.8	26PPMD22L	Pharmaceutical Microbiology	-	-	3
2.9	26PPMD23L	Pharmacognosy & Phytopharmaceuticals	-	-	3
		Total Hours	**17**	**6 = 32**	**9**

Third Year

S. No	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(6)**
3.1	26PPMD31T	Pharmacology-II	3	1	-
3.2	26PPMD32T	Pharmaceutical Analysis	3	1	-
3.3	26PPMD33T	Pharmacotherapeutics-II	3	1	-
3.4	26PPMD34T	Medicinal Chemistry	3	1	-
3.5	26PPMD35T	Pharmaceutical Formulations	2	1	-
3.6	26PPMD36T	Pharmaceutical Jurisprudence	2	-	-
3.7	26PPMD31L	Pharmacology-II	-	-	3
3.8	26PPMD32L	Pharmaceutical Analysis	-	-	3
3.9	26PPMD33L	Pharmacotherapeutics-II	-	-	3
3.10	26PPMD34L	Medicinal Chemistry	-	-	3
3.11	26PPMD35L	Pharmaceutical Formulations	-	-	3
		Total hours	**16**	**5 = 36**	**15**

Fourth Year

S. No.	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical/ Hospital Posting
(1)	(2)	(3)	(4)	(5)	(6)
4.1	26PPMD41T	Pharmacotherapeutics-III	3	1	-
4.2	26PPMD42T	Hospital Pharmacy	2	1	-
4.3	26PPMD43T	Clinical Pharmacy	3	1	-
4.4	26PPMD44T	Biopharmaceutics & Pharmacokinetics	3	1	-
4.5	26PPMD45T	Clinical Toxicology	2	1	-
4.6	26PPMD46T	Biostatistics & Research Methodology	2	1	-
4.7	26PPMD41L	Pharmacotherapeutics-III	2	1	3
4.8	26PPMD42L	Hospital Pharmacy	-	-	3
4.9	26PPMD43L	Clinical Pharmacy	-	-	3
4.10	26PPMD44L	Biopharmaceutics & Pharmacokinetics	-	-	3
		Total hours	**15**	**6 = 33**	**12**

Fifth Year

S. No.	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of tutorial	No. of hours of hospital posting*
(1)	(2)	**(3)**	**(4)**	**(5)**	**(6)**
5.1	26PPMD51T	Clinical Research	3	1	-
5.2	26PPMD52T	Pharmacoepidemiology and Pharmacoeconomics	3	1	-
5.3	26PPMD53T	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	1	-
5.4	26PPMD54H	Clerkship*	-	1	-
5.5	26PPMD55P	Project work (Six Months)	-	-	20
		Total hours	**8**	**4 = 32**	**20**

Sixth Year

S. No.	Subjects Codes	Name of Subject	Number of working days
6.0	26PPMD61I	Internship	Not less than 200 working days within one year