

SAVITRIBAI PHULE PUNE UNIVERSITY
DEPARTMENT of MANAGEMENT SCIENCE (PUMBA)
MBA-PHARMA BIOTECHNOLOGY
MBA (PBT)

ADMISSION INFORMATION
ACADEMIC YEAR 2015-2016

IMPORTANT DATES

Sr. No.	Particulars	Date
1	Online forms for admission to MBA (PBT) www.pumba.in	January 15, 2015 onwards
2	Last date for receiving completed application at DMS (PUMBA) for GD/PI	May 29, 2015
3	Group Discussion and Personal Interview (GD/PI)	June 3, 2015 onwards
4	Display of Merit List	June 15, 2015
5	Date of Admission	June 30, 2015
6	Induction and Commencement of Classes	July 9, 2015

IMPORTANT: Please read the entire prospectus carefully.

MBA (PHARMA-BIOTECHNOLOGY) AND ITS SCOPE

Biotechnology (BT) is acclaimed as the new frontier for knowledge development at international as well as national level. The biotech industry is booming in India as well as all over the world. Since Biotechnology is a knowledge intensive industry, it is expected that India will have a competitive advantage and will be able to take full advantages of this opportunity.

The Indian Pharmaceutical industry is the third largest in terms of volume and thirteen largest in terms of value in the India. The Biopharma sector alone contributes about Rupees 12600 crores to the revenue from this industrial sector. The Pharma-Vision 2020 of the Government of India has revealed investment intention of Indian as well as Global companies to the tune of Rs 1000 crores.

To ensure that this opportunity is fully utilized and developed for national economical benefit, a vital need will be trained manpower, both technological as well as managerial.

Technological manpower will contribute to basic and applied research working in areas like development of new molecules, genetic engineering to synergize desirable attributes among organic entities, improve agriculture productivity protect the environment, etc.

Managerial manpower, with PBT specialization, will be needed to play entrepreneurial role and to manage effective and efficient commercial utilization of the research outcomes. These focused managers will also monitor the socio-economic and ethical issues so that the technology is harnessed and applied for the holistic betterment of mankind.

Looking at this need and opportunity, the Savitribai Phule Pune University has taken a path-breaking initiative to help catalyze and direct this technology revolution. A two-year full-time MBA program in pharma-biotechnology i.e. MBA (Pharma-Biotechnology) (MBA-PBT) is being introduced from the academic year 2015-16.

The MBA-PBT program at the Savitribai Phule Pune University admits 60 students each year. There is a provision to admit international students also. The incoming students are expected to have degrees in Life Sciences, Natural Sciences, Veterinary Science, Ayurved, Allopathic Medicine or Engineering.

DEPARTMENT of MANAGEMENT SCIENCES (PUMBA)

About Ourselves

Established in 1971, Department of Management Sciences (DMS) is one the first business schools in India and the pioneer of management education in Pune. Since its inception, DMS has organized itself on the basis of valuable principles.

The first is that of education and research bring indivisible. Research brings competence and innovation to education and education brings fresh ideas and new minds to research.

The second is that of freedom and solitude. Freedom allows students to pursue their natural curiosity and develop creativity whereas solitude protects them from unwarranted pressures. These qualities have served the department well over the years and have guided the establishment towards new management thinking.

Over the years, DMS has been providing the country with a steady stream of young, competent and disciplined individuals determined to leave their mark in their respective functional areas.

Academic Inputs

The traditional lectures and simulation sessions are held in classrooms and conference rooms. The simulation of a business environment, where issues are discussed in totality and decisions taken, is an essential requirement for management education. These classrooms are equipped with the latest presentation aids and are also Wi-Fi Enabled. This provides instant access to the latest information available on the internet.

Further, the Savitribai Phule Pune University offers an idyllic and stimulating setting for informal discussions and debates. The students thereby have the opportunity to select or combine their environs under which they would like to enhance their knowledge base and further their cause for a meaningful and fruitful education at the University Department of Management Sciences.

Libraries

Access to hard facts, latest theories and updated information is absolutely essential for a student's academic and business success. Hence, the students at DMS have access to not one but two comprehensive and constantly updated libraries. Our in-house library focuses on a variety of subjects in the field of Management and Biotechnology, and stocks books and periodicals on these subjects. In addition, it is completely computerized and also has a 24 hours net connectivity that proves very helpful for the information seeker.

The Jayakar Library is a centrally located facility aimed at providing resources to support teaching and research in the university. It houses more than 5 Lakh books and subscribes to nearly 12 thousand journals. The library also stocks a large number of manuscripts, microfilms, video and audio cassettes. It is connected to 72 other libraries in Pune and all the other departments that are located on the University campus, giving students access to high-quality inputs in various fields.

ELIGIBILITY CRITERIA

A candidate who has either passed with minimum 50% of marks in aggregate (45% in case of reserved category candidates from Maharashtra State only) or appeared at the final year examination in any Bachelor's or Master's degree in Sciences (general or special with Biology, Biochemistry, Biotechnology, Botany, Chemistry, Environmental Sciences, Genetics, Life Sciences, Marine Biology, Microbiology, Physics, Zoology etc), Agriculture, Ayurveda, Medicine, Engineering, Pharmacy, Technology, Veterinary Sciences, Technology Engineering from a university recognized by the Association of Indian University (AIU) would be treated as eligible. In addition the students need to qualify in the entrance examination, ATMA test (See details at <http://atmaaims.com/>) as part of admission procedure.

Note: The term 'aggregate marks' used here means the grand total of marks obtained by the candidate, taken together for all the subjects, based on which the class declaration is made by the University.

However, the candidate would not be treated as eligible for admission to MBA (Pharma-Biotechnology) program for the academic year 2015-16 unless he/she passes his/her graduation on or before 30th September 2015, despite appearing for the ATMA Test & GD and PI conducted by the Department of Management Sciences, Savitribai Phule Pune University, Pune-411 007 for the academic year 2015-16.

ADMISSION PROCESS

STAGE-1: ELIGIBILITY TEST For ADMISSION: ATMA

Candidates should appear for ATMA test

The Association of Indian Management School (AIMS) conducts a common written test for admission to various management courses at different management schools in the country. This test is known as AIMS Test for Management Admission (ATMA). For details please visit their website, <http://www.atmaaims.com/>

Candidates desirous of taking ATMA should first register ONLINE. The scores obtained after appearing for any one of the ATMA entrance exam scheduled on **December 14, 2014, March 01, 2015 and May 24, 2015** will be acceptable for admission to the MBA (Pharma-Biotechnology) program.

STAGE-2: GROUP DISCUSSION & PERSONAL INTERVIEW

Candidates should appear for Group Discussion and Personal Interview (GD/PI) at PUMBA

The candidates who appear for ATMA are expected to appear for the Group Discussion & Personal Interview (GD/PI) conducted at the Department of Management Sciences, Savitribai Phule Pune University (PUMBA).

Submission of the form for GD/PI

The candidates who appear for ATMA are required to submit the form for further admission process (the Group discussion & Personal Interview (GD/PI)) to the Department of Management Sciences, Savitribai Phule Pune University, (PUMBA).

For this purpose, the following guidelines are to be adhered to

1. The duly completed admission form for GD/PI has to be submitted to the Department of Management Sciences (PUMBA) office along with a demand draft of Rs. 900/- (for open category) and Rs. 700/- (for reserved category).
 2. The last date of submission is May 29th 2015. The forms will be accepted on all working days between 11.00am to 5.00pm.
 3. The Demand Draft should be drawn on any Nationalized Bank, in favor of **“The Finance and Accounts Officer, Savitribai Phule Pune University”**, payable at Pune.
 4. At the time of submission of the completed application form for the GD/PI, Reserved Category Candidates from the State of Maharashtra (as per Maharashtra State Government rules) are required to submit an **attested copy of ‘Caste Certificate, Non-Creamy layer certificate and caste validity certificate**, as the case may be, along with their application form.
 5. All the candidates are required to attach one, self addressed envelope affixed with Rs.25/- postal stamp for the dispatch of admit card for GD/PI.
- *The admissions for the course are governed by ordinance 181 of Savitribai Phule Pune University.*
- *The rules and regulations issued by the Directorate of Technical Education (DTE), Maharashtra State with regards to the MBA admissions will be applicable.*
- ***In case of any dispute, the decision taken by the Head of the Department will be Final***

SELECTION PROCEDURE

1. The total intake capacity is 60 students.
2. The candidates have to qualify ATMA Test (scheduled on December 9th 2014 OR March 1st, 2015 OR May24, 2015) and also appear for GD/PI conducted at the Department of Management Sciences (PUMBA).
3. The admission will be made strictly on the basis of overall merit i.e. written test ATMA score + GD score + PI score = Combined score.

4. If the candidate fails to appear for ATMA test or GD or for PI, he/she will not be eligible for the admission.

GD/PI is scheduled from June 3rd 2015 at the Department of Management Sciences, Savitribai Phule Pune University. The batch wise details will be available on department's website and notice board from May 31st 2015. The admit cards informing the Date, Time & Batch No. of GD/PI, will be posted in envelop provided by you. *Please enclose a self addressed stamped (Rs 25/-) envelop along with the form.*

CERTIFICATES & OTHER DOCUMENTS REQUIRED

The candidates will have to produce the following **original certificates and documents** before presenting himself / herself for the **GD and PI Test**.

- a. ATMA score card
- b. Statement of marks and passing certificates for SSC (Tenth Standard)
- c. Statement of marks and passing certificates for HSC (Twelfth Standard)
- d. Statement of marks for Bachelor's / Master's degree Examination
- e. Bachelors / Master's Degree Certificates
- f. Domicile and Nationality Certificate
- g. Caste Certificate
- h. Caste Validity Certificate
- i. Non-Creamy Layer Certificate (if applicable).

Note: The candidate has to bring the original Caste Certificate, Caste Validity Certificate and Non-Creamy Layer Certificate at the time of GD/PI.

If the candidate cannot certify his or her caste at the time of GD/PI, then he/she will be listed in the general merit list.

COUNSELING PROCEDURE for ADMISSIONS

Counseling Date is 30th June 2015, 10.30 A.M. onwards at PUMBA, Pune

The detailed schedule for counseling will be available on the Department's website <http://www.pumba.in>. The same will be put up on the notice board at the Department of Management Sciences, Savitribai Phule Pune University (PUMBA), University Campus, Pune-411007, on June 15th 2015, by 5.00PM.

Counseling rounds are conducted as per the rules of State Government of Maharashtra. During the counseling procedure the admissions are given in the following order. See Ordinance 181 for details (http://www.unipune.ac.in/university_files/pdf/sports/Admission_Ordinance_27-6-13.pdf)

1. 21 seats for candidates from Savitribai Phule Pune University as per general inter-se merit list of all candidates.
2. 5 seats for candidates from other universities in the State of Maharashtra as per general inter-se merit. However, the admissions of such students shall be made on the basis of University-wise merit to ensure that the students admitted are not necessarily from the same University.
3. 4 seats for candidates from universities outside the State of Maharashtra as per general inter-se merit of all candidates. However, the admissions of such students shall be made on the basis of University-wise merit to ensure that the students admitted are not necessarily from the same University.
4. 21 seats for reserved category candidates from Savitribai Phule Pune University as per the Home University Reserved Category merit list.
5. 9 seats for reserved category candidates from other universities in the state of Maharashtra (WMS- reserved category) are filled as per the category wise merit list.
6. 1 seat for candidate from the state of Jammu & Kashmir. (refer Proforma at the end of this brochure)
7. 2 seats for physically handicapped candidates. (refer Proforma at the end of this brochure)

Please Note:

- ❖ No separate communication will be made to individual candidates.
- ❖ The candidates are required to bring all original certificates and documents.
- ❖ The admission will be confirmed at the time of counseling, **ONLY** after the payment of the fees through a Demand Draft of Rs. 65,000/- drawn in favor of “The Finance and Accounts Officer, Savitribai Phule Pune University”, payable at Pune.

IMPORTANT

- ❖ The admissions for the course are governed by ordinance 181 of Savitribai Phule Pune University.
- ❖ The rules and regulations issued by the Directorate of Technical Education (DTE), Maharashtra State with regards to the MBA admissions will be applicable.
- ❖ The merit lists will be prepared strictly on the basis of combined merit score i.e.
 - Written test ATMA score + GD score + PI score = Combined score.

In case of any dispute, the decision taken by the Head of the Department will be Final

BREAK-UP OF THE SEATS AVAILABLE INCLUDING RESERVATIONS

The seat break up is done as per ordinance 181 of Savitribai Phule Pune University. The total intake capacity will be 60 seats.

Out of this 70% (i.e. 42 seats) will be allotted to students graduating from the Savitribai Phule Pune University. 50% of these seats 42 seats i.e. 21 seats will be filled as per statutory reservations only from State of Maharashtra as given in the table below (Home University-Reserved). Remaining 21 seats will be filled on general inter-se merit basis (students graduating from Savitribai Phule Pune University only (HUO)). 30% of the total seats (18 seats) will be filled as follows: 50% of this number (i. e. 9 seats WMS-Reserved) will be allotted to reservation category students graduating from any other University within the state of Maharashtra. The seat break up as per statutory reservations only from State of Maharashtra is given in the table below. Remaining 50% seats (9 seats) will be distributed on the basis of general merit to candidates graduating from any other University within the state of Maharashtra (5 seats for WMS-unreserved) and candidates graduating from any other University outside the state of Maharashtra as per the inter se merit list (4 seats for OMS). However, the admissions of such students shall be made on the basis of University-wise merit to ensure that the students admitted are not necessarily from the same University.

		Seats
1	Home University General Merit List (HUO)	21
2	Within Maharashtra State General Merit List (WMSO)	5
3	Outside Maharashtra State General Merit List (OMS)	4
4	Total Seats	30

In addition

- ❖ 3% of the total intake capacity (i.e. 2 seats) shall be reserved for physically handicapped candidates.
- ❖ 1 seat over and above the intake capacity is reserved for candidate from Jammu & Kashmir as per the Government's directive.

- ❖ 15% of the total intake capacity (i.e. 9 seats) over and above the intake capacity will be Supernumerary seats available to Foreign Nationals. The Director, International Students Centre of the Savitribai Phule Pune University, will confirm the eligibility criteria for these students.

RESERVATIONS

The percentage of seats reserved for candidates belonging to Backward Classes (**only from state of Maharashtra**) is as given below:

	Category	Percent	No. of Seats Allotted	
			Home University	Within Maharashtra State
A	SC and SC converts to Buddhism	13.0%	6	2
B	ST including those living outside specified areas	7.0%	3	1
C	Vimukta Jati- denotified tribes (14 as Specified) (VJ/DT)	3.0%	1	1
1D	Nomadic tribes (NT B) (28 before 1990 as specified)	2.5%	1	1
E	Nomadic Tribes (NT C) (Dhangar as specified)	3.5%	1	1
F	Nomadic Tribes (NT D) (Vanjari as specified)	2.0%	1	0
G	Other Backward Classes (OBC)	19.0%	8	3
	Total Seats (30)	50%	21	9

Important Notes:

1. Candidates claiming seats under the reserved categories must produce the **caste certificate, caste validity certificate and non-creamy layer certificate** at the time of admission process.
2. Candidates belonging to VJ, NT-B, NT-C, NT-D and OBC categories will have to furnish a non-creamy layer certificate, valid for the current year (issued after January 2015) stating that the candidates' parents do not belong to creamy layer as per the relevant orders of the Govt.
3. If any of the backward class categories mentioned above does not get the required number of candidates for the percentage laid down, the seats so remaining vacant shall be filled in from amongst the candidates belonging to Special Backward Class (SBC) as per inter-se Merit, limited to the extent of 2% of the sanctioned intake capacity.
4. Seats remaining vacant in the reserved category after offering seat to Special Backward Class (SBC) shall be offered to the groups of reserved category with reference to the inter-se Merit of all candidates belonging to that group as mentioned below. However, the total reservation shall not exceed 50%. The grouping of reserved categories is as follows:
 - a. (i) Scheduled Caste and Scheduled castes converts to Buddhism (SC)
 - (ii) Scheduled Tribes including those living outside the specified areas (ST)
 - b. (i) Vimukta Jati (VJ)
 - (ii) Nomadic Tribes (NT B)
 - c. (i) Nomadic Tribes (NT C)
 - (ii) Nomadic Tribes (NT D)
 - (iii) Other Backward Class (OBC)
5. After doing so, the seats remaining vacant shall be filled in with reference to inter-se merit of all the candidates belonging to all reserved categories. However, the total reservation shall not exceed 50%.
6. After doing so, the seats remaining vacant shall be filled in with reference to inter-se merit of all the candidates belonging to open categories.
7. **Seat for Jammu & Kashmir Migrant Candidates:** Provision of one seat over and above the sanctioned intake capacity in DMS is made for

J-1 Type: The children of citizens who are displaced from Jammu & Kashmir to any part of India or from unsafe border areas of J&K to a relatively safer place in J & K from 1990 onwards due to terrorist activities.

J-2 Type: The children officers belonging to Indian Administrative Services, Indian Police Services, Indian Forest Services, other officers and children of the staff belonging to military and paramilitary forces, transferred to Jammu & Kashmir to combat terrorist activities and joined the post on or before the last date for submission of application form.

J-3 Type: The children of staff of J & K police engaged in combating terrorism. The candidates seeking admission against the seats reserved for J & K Migrant as defined above have to submit relevant Certificates shown in proforma A/B/C in support of their claim at the time of admission. The admissions against these seats are done strictly as per the inter se merit of the candidates claiming seats for J & K migrant quota.

The J & K Migrant candidates aspiring to seek admission should also appear for ATMA Test, GD and PI.

8. Reservation for Physically handicapped Candidates:

(a) As per the provisions in **Clause 39 of Equal Opportunities, Protection of Rights and Full Participation Act, 1995**, three (3) per cent seats of total sanctioned intake capacity of the department (i.e. 2 seats) shall be reserved for physically handicapped candidates.

Out of the three percent reservation for physically handicapped candidates:

PH-1: One (1) percent seats shall be reserved for visually impaired (blind) candidates (P1).

PH-2: One (1) percent seats shall be reserved for speech & hearing impaired (dumb and deaf) candidates, (P2).

PH-3: One (1) percent seats shall be reserved for candidates with orthopedic disorders and learning disabilities, Dyslexia, Dyscalcula, Dysgraphica, spastic (P3).

(b) Since the number of seats as per three percent reservation works out to be 2 seats which are less than 3(three), these 2 seats will be allotted on the basis of inter se merit of all the three sub categories with maximum one seat for any sub category.

(c) Certificate required: The candidate shall produce a certificate, in the prescribed proforma, 'D' from the director, All India Institute of Physically Handicapped, Mumbai or dean / Civil Surgeon,

regarding his or her physical disability, and ability to undergo all parts of syllabus for the normal course.

9. It is important for all the candidates to note that the admission will be given only against full-payment of fees at the time of counseling.

The Head of the Department's decision will be final in case of any dispute.

KEY POINTS

- ❖ **The admissions for the course are governed by ordinance 181 of Savitribai Phule Pune University.**
- ❖ **The rules and regulations issued by the Directorate of Technical Education (DTE), Maharashtra State with regards to the MBA admissions will be applicable.**
- ❖ **In case of any dispute, the decision taken by the Head of the Department will be Final**

IMPORTANT INFORMATION

1. Admissions to the individual reserved categories (SC, ST etc) shall be made during the general round according to the general merit rank of the candidates.
2. Candidates belonging to all reserved categories, J & K quota and physically handicapped categories must submit all necessary documents in original at the time of the counseling.
3. All the candidates must submit original mark sheets for 10th (or equivalent), 12th (or equivalent) and graduation mark sheets at the time of counseling.
4. All the candidates seeking admissions should bring a demand draft from a Nationalized Bank drawn in the favor of **“The Finance and Accounts Officer, Savitribai Phule Pune University”**, payable at **Pune**, towards the payment of fees.
5. **The fees for the MBA program at PUMBA is Rs 65,000/- per year.**
6. The admission will be confirmed only after payment of full fees by DD at the time of counseling round.
7. In case of any grievances related to category etc., the candidate should communicate such grievances in writing to our office on or before June 20, 2015 up to 5.00 PM. Any communication received thereafter will not be entertained. The decision in this regard will be taken and communicated at the time of counseling.
8. Relative merit in case of equal marks:
In the case of the candidates securing equal final entrance exam score (i.e. ATMA + GD + PI) their relative merit will be determined on the basis of the following order of preference:
 - a) When the final entrance exam scores are the same, the candidate with the higher marks in the written examination will get the first preference.

- b) When the final entrance exam scores and also the marks in the written exam are the same, the candidate with higher marks in the PI will get preference.
- c) When the final entrance exam scores, the marks in the written exam and also the marks in the PI are the same, the candidate with higher marks in the GD will get preference.
- d) When the final entrance exam scores, the marks in written exam, the marks in the PI and GD are the same, the candidate with the higher percentage of marks scored in the aggregate in the HSC or its equivalent examination will get preference.
- e) When the final entrance exam score, the marks in the written exam, the marks in the PI, the marks in the GD and also the percentage of marks at HSC are the same, the candidates with the highest percentage of marks scored in the aggregate in the SSC or its equivalent will be given preference.

In the case of any doubts, the Head of the Department's decision will be final.

FEE STRUCTURE

The candidates will have to secure their admission by paying full fees during counseling.

The demand draft of any Nationalized Bank, should be drawn in the favor of

'The Finance and Accounts Officer, Savitribai Phule Pune University, payable at Pune

Fees for Open category Candidates Rs 65,000/-**

Fees for Other Backward Class category (OBC) Candidates Rs 32,500/-**

**** The fee structure may be revised subject to University norms and regulations**

Government Fee regulations as applicable.

RULES FOR REFUND

The candidates canceling their confirmed admissions will be entitled to receive the refund of fees after deducting the amounts as indicated below:

CANCELLATION RULES

Admission Cancelled	Deduction
1. Up to July 14, 2015	20% of the Total fees
2. Up to July 24, 2015	40% of the Total Fees
3. After July 24, 2015	100% of the Total Fees (No Refund)

In case the candidate fails in his/her qualifying examination (graduation) or could not produce his/her passing certificate due to any reason- no refund is permissible for such cases.

In case of any discrepancy, decision by the Head of the Department as a competent authority will be final.

HOSTEL AND OTHER FACILITIES

During the course the out-station candidates will be provided with hostel accommodation, subject to the availability of rooms in the University hostels. Candidates have to apply separately in the university prescribed form to be considered for hostel accommodation. The admission to the course does not imply admission to the hostel of the University.

Separate hostels are available for boys and girls. Refectory facilities for meals are also available on campus. In addition there are some independent canteens.

There is a full-fledged gymnasium available (with separate fees).

Major libraries situated in the University campus like Jayakar Library and library of Centre for Bioinformatics will be accessible to the MBA (Pharma-Biotechnology) students.

Similarly, laboratory facilities will be made available as guided by the course requirements.

CONDUCT AND DISCIPLINE

- * If any student studying in MBA (PBT) program at the Department of Management Science (PUMBA) is found indulging in antinational activities, or in activities, that run contrary to the letter and spirit of the provisions of acts and laws enforced by the Government or any activity that causes his/ her behavior to be contrary to rules of discipline, will be liable to be expelled from the Department of Management Sciences (PUMBA) forthwith without any notice by the Competent authority of the University.

- * If any of the statements made in application form or any time, found to be false or incorrect and willful suppression of facts, his/her admission will be cancelled forthwith. The fees will be forfeited and he / she may be expelled from the Department of Management Sciences by the Competent Authority of the University and prosecuted, if deemed necessary.

Action against Ragging:

Any complaint against ragging will be dealt with, as per the provisions of Maharashtra Prohibition of Ragging Act, 1999.

COURSE STRUCTURE FOR MBA (PHARMA-BIOTECHNOLOGY) PROGRAM

* A Full Credit Course (F) has 4 credits and Half Credit Course (H) has 2 credits.

Semester 1

Code	Subject Name	Credits	Lecture Hours	Marks
101	Fundamentals of Management and Organizational Behavior	F	50	100
102	Fundamentals of Biotechnology and Pharmacology	F	50	100
103	Business Economics	F	50	100
104	Marketing Management	F	50	100
105	Management Accounting	F	50	100
106	Production Management	F	50	100
107	Management Information Systems	H	25	50
108	Business Communication	H	25	50
		28		700

Semester 2

Code	Subject Name	Credits	Lecture Hours	Marks
201	Human Resource Management	F	50	100
202	Financial Management	F	50	100
203	BT & Pharma Plant Management	F	50	100
204	Pharmaceutical Management	H	25	50
205	Legal Aspects of Business	H	25	50
206	Research Methodology and Biostatistics	H	25	50
207	Decision Sciences	H	25	50
208	Group Industrial Project	H	---	50
		22		550

Group Industrial Project: During the Semester II an Industrial Project (related to a business problem) is to be carried out by a group of 10 students under the guidance and supervision of the nominated faculty.

Semester 3

Code	Subject Name	Credits	Lecture Hours	Marks
301	Entrepreneurship Development and Project Management in Biotechnology	F	50	100
302	Business Policy and Strategic Management	F	50	100
303	Knowledge, Innovation and Intellectual Property Rights Management	F	50	100
304	Marketing Management I (Product and Services Marketing)	F	50	100
305	Marketing Management II (Marketing Research and Consumer Behavior)	F	50	100
306	Marketing Management III (Customer Relationship Management)	H	25	50
307	Management Control Systems	H	25	50
308	Summer Internship Project (Viva)	F	---	100
		28		700

SUMMER INTERNSHIP PROJECT (1st MAY – 30th JUNE)

Individual summer training of minimum 50 days duration in a biotechnology – pharmaceutical related business organization / company is to be carried out under the guidance and supervision of the nominated faculty.

Semester 4

Code	Subject Name	Credits	Lecture Hours	Marks
401	Emerging Trends in Biotechnology	F	50	100
402	Ethics and Environment Safety Management in Biotech Industry	H	25	50
403	International Business Management	H	25	50
404	Socio-Economic Environment & Technology	H	25	50
405	Marketing Management IV (Sales and Distribution Management)	F	50	100
406	Marketing Management V (Integrated Marketing Communication and Brand Management)	F	50	100
407	Marketing Management VI (International Marketing)	H	25	50
408	Business Plan (Viva)	H	---	50
		22		550
	Grand Total	100		2500

Business Plan: An individual Business Plan in the Biotechnology and Pharmaceutical industry sector is to be prepared based on a sound technical idea and incorporating the knowledge acquired during this course.

STRUCTURE of MBA (PBT)

The structure of Master of Business Administration-(Pharma-Biotechnology) (MBA-PBT) program will be as follows:

1. The entire duration of the MBA course will be of 24 months, comprising of four semesters. The course structure is given in Annexure I.
2. The total number of courses and credits offered will be as follows:

Semester	Full Course (4 credit each)	Half Course (2 credit each)	Total Credits
1	6 (24 credits)	2 (4 Credits)	28
2	3 (12 credits)	5 (10 credits)	22
3	6 (24 credits)	2 (4 credits)	28
4	3 (12 credits)	5 (10 credits)	22
			100

Evaluation

1. Each of the Semesters will be of 16weeks duration. Out of these 16 weeks, the teaching term will be of 14 weeks. For the full credit courses, there will be 3 sessions of 75 minutes each, per week; and for the half credit courses, there will be 2 sessions of 75 minutes each, per week. The semester-end examination will be held in the last two weeks of each semester.
2. Each course will have two heads of evaluation – Internal and External. The internal evaluation will be in the form of continuous evaluation which will be carried out for 50% of the total marks. This will comprise of (Written Tests: 40% + Class Participation: 20% + other mode/modes of evaluation as specified by the concerned teacher: 40%). The written tests will be conducted on the basis of the guidelines as specified in the Scheme for Credit System of the S. P. Pune University. During each semester, semester-end written examination shall be conducted for the external evaluation for each course comprising of 50% of the total marks. This examination will be conducted as per University Circular

No.255 pertaining to the departments conducting their own final examination.

3. All the students shall be required to attend minimum of 75% of the total number of sessions held for each course, failing which the term of the student/s shall not be granted for that course. Further, if the student fails to do so for more than 50% of the number of courses in any semester, his/ her term shall not be granted for that full semester.
4. If a student fails to pass in the Internal Evaluation of any course, he/she will have to reappear for the same in the next Semester.
5. If a student fails to pass in the external evaluation i.e. the Semester-end examination of any course, he/she will have to reappear for the same along with the immediate next Semester-end examination. However, if he/she still fails to pass in the said course, he/she shall appear for the same along with the regular concerned Semester-end examination to be held in the immediate next academic year.
6. Except for the rules designed by the Department for this Credit System, all other rules prescribed from time to time, by the Savitribai Phule Pune University and/or Government of Maharashtra and/or UGC shall be applicable to all the students. (For instance, Eligibility Criteria, Refund Rules etc)
7. Minimum passing marks for the internal as well as the external evaluation is 40 %.
8. Students will be awarded grade points for their performance during the internal and external evaluation for each subject (course) as per the following criteria.

Sr. No.	Marks Range (%)	Grade	Grade Points
1	75 – 100	O	6
2	65 – 74	A	5
3	55 – 64	B	4
4	50 – 54	C	3
5	45 – 49	D	2
6	40 – 44	E	1
7	00 – 39	F	0

The grade points for each subject will be based on the Grades obtained for the total of the Internal and External evaluation. Students getting the grade 'F' in either or both of the internal and external evaluation will be declared fail (Grade F) in the total evaluation.

For each of the subject, the Grade Points to be used for the calculation of the Grade Point Average (G.P.A.) will be obtained as:

Grade Points for GPA = Grade Points for a subject × Number of credits of the subject

The Final Grade Point Average (GPA) will be calculated as:

$$\text{Final GPA} = \frac{\text{Sum of the 'Grade Points for GPA' of all the Subjects}}{\text{(Total Number of credits = 100)}}$$

The Final Grades will be awarded as per the following Criteria:

Grade Points	Grade
05.50 – 6.00	O
04.50 – 05.49	A
03.50 – 04.49	B
02.50 – 03.49	C
01.50 – 02.49	D
00.50 – 01.49	E
0.00 -- 00.49	F

The final grade sheet will also indicate the total of all the marks scored during the four semesters.

Proforma –A

(For sons and daughters of Defence /Paramilitary force/ I.A.S./I.P.S./I.F.S./J&K Police officials posted in Jammu / Kashmir to combat terrorist activities)

CERTIFICATE

This is to certify that Shri/ Smt.....is an official belonging to Defence / Paramilitary force / I.A.S./ I.P.S./ I.F.S. / J &K Police presently posted and working at.....which is treated as disturbed area in Jammu & Kashmir

This certificate is issued for the purpose of his /her son/daughter'sadmission to Post Graduate Degree course in Management in Maharashtra State for the year 2015-2016.

Date:

Head of the Office

Place:-

Seal of the office

Proforma –B

**(For Jammu/ Kashmir Migrant Candidates)
(Migrants staying in refugee camps)**

CERTIFICATE

1. This is to certify that Mr./Miss belongs to a family residing in this refugee camp after being displaced after 1990 due to terrorist activities in Jammu and Kashmir.

2. The details of refugee status are as under.

(a) Ration card number:

(b) Name of the member(s) on the ration card:

3. This certificate is issued for the purpose of his/ her admission to Post Graduate Degree in Management for the academic year 2015-2016.

Date:

Head of the office

Place:

Migrant / Refugee Camp

Appendix "C"

MBA (PBT) brochure

Proforma – C

(Displaced Jammu / Kashmir Candidates staying with relatives / friends in India other than Migrant / Refugee camp)

(Refugees staying with relatives)

CERTIFICATE

1. This is to certify that Mr./Miss..... is a displaced person from Jammu & Kashmir after 1990 due to terrorist activities in Jammu and Kashmir.

2. He/She is staying with.....
(Name and complete address of the Person with whom

..... The Candidate is staying at present)

.....since past.....years.

3. This certificate is issued for the purpose of his / her admission to Post Graduate Degree in Management for the academic year 2015-2016.

Date:

District Collector

Place:

Proforma- 'D'

**(For Physically Handicapped Candidates)
(For P1, P2, and P3, Candidates)**

CERTIFICATE

1. This is to certify that I have examined Mr. / Ms./Mrs

.....on.....

He/She has

.....

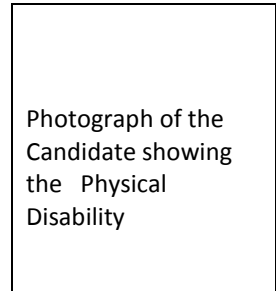
(Type of the Physical Disability) which comes under the sub category

- (a) Blindness
- (b) Speech & Hearing impaired.
- (c) Orthopedic disorder.

2. The percentage of handicap is%.

3. The candidate is capable of carting out all activities related to theory and practical works as applicable to Post Graduate Degree course in Management without any special concessions and exemptions.

4. This certificate is issued for the purpose of his/her admission to Post Graduate Degree course in Management for the year 2015-2016.



Date

Place:

Director
All India Physically Handicapped, Mumbai
(or)
Dean/ Civil Surgeon