



**MAHATMA EDUCATION SOCIETY'S
PILLAI GROUP OF INSTITUTIONS**
48 Institutions • Over 2000 Teachers • Over 35,000 Students

INSTITUTIONS CONDUCTED

SCHOOLS - (S.S.C. PROGRAMME) <ul style="list-style-type: none"> Chembur English Pre-Primary & Primary School - Chembur Chembur English High School - Chembur Chembur Marathi Madhyamik Shala - Chembur Powai Marathi Madhyamik Shala - Powai Mahatma School of Academics and Sports - New Panvel (Pre-Primary, Primary & Secondary English & Marathi Media) 	<ul style="list-style-type: none"> B.Com (Accounting & Finance) B.M.M. B.Sc. in I.T. B.Sc. in Computer Science B.M.S. B.Sc. (Biotechnology) M.Sc. in I.T. M.Sc. in Biotechnology M.Com (Business Management) M.Com (Accounting & Finance) Pillai HOC College of Arts, Science & Commerce - Rasayani B.Sc. I.T. B.Sc. Computer B.M.S. B.Com. 	<ul style="list-style-type: none"> M.E. in Computer Engineering (Computer Network & Information Security) - Proposed POLYTECHNIC (3 Year Diploma Programme) (Recognised by Govt. of Maharashtra & AICTE) <ul style="list-style-type: none"> Pillai Polytechnic - New Panvel <ul style="list-style-type: none"> Diploma in Computer Engineering Diploma in Electronic Engineering Diploma in Mechanical Engineering Diploma in Automobile Engineering Pillai HOC Polytechnic - Rasayani <ul style="list-style-type: none"> Diploma in Computer Engineering Diploma in Electronic Engineering Diploma in Information Technology Diploma in Electronics & Tele-communications Engineering Diploma in Mechanical Engineering Diploma in Civil Engineering 	PGDM (Approved by AICTE) (Post Graduate Diploma in Management) - Rasayani <ul style="list-style-type: none"> International Business Banking & Finance TEACHERS' TRAINING INSTITUTIONS <p>Approved by National Council of Teacher Education (NCTE) (Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.)</p> <ul style="list-style-type: none"> Mahatma Junior College of Education (D.Ed.) - Chembur (English & Marathi Media) Pillai Comprehensive College of Education & Research, Sector 8 - New Panvel (D.Ed. Marathi Media) Pillai Junior College of Education & Research (D. Ed.) - Khanda Colony Pillai College of Education & Research (B.Ed.) - Chembur Pillai College of Education & Research (B.Ed.) - New Panvel Pillai HOC College of Education & Research (B. Ed.) - Rasayani Pillai College of Education & Research (M. Ed.) - New Panvel Vidyadhiraja College of Physical Education & Research (B.P.Ed, Sector 8 - New Panvel, Ph.D. Centre)
SCHOOLS - (CBSE PROGRAMME) <ul style="list-style-type: none"> Mahatma International School - Khanda Colony HOC International School - Rasayani INTERNATIONAL SCHOOLS (CIPP / IGCSE/ICSE/IB SCHOOLS) <ul style="list-style-type: none"> Dr. Pillai Global Academy - Gorai, New Panvel, Rasayani JUNIOR COLLEGES <ul style="list-style-type: none"> Chembur English Junior College - Chembur Mahatma Night Junior College - Chembur Mahatma School of Academics & Sports - New Panvel Junior College of Arts, Science & Commerce - Chembur HOC Junior College - Rasayani (Junior College of Arts, Commerce, Science with Vocational) Dr. Pillai Global Academy - Gorai, New Panvel and Rasayani 'A' levels and 'IB' Programmes 	ENGINEERING COURSE (Approved by AICTE) (Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.) NBA Accredited <ul style="list-style-type: none"> Pillai Institute of Information Technology, Engineering Media Studies & Research - New Panvel <ul style="list-style-type: none"> B.E. in Information Technology B.E. in Computer Engineering B.E. in Electronics Engineering B.E. in Mechanical Engineering B.E. in Electronics B.E. in Tele-communications Engineering B.E. in Automobile Engineering M.E. in IT (Artificial Intelligence / Robotic) M.E. in Computer Engineering M.E. in Electronics Engineering M.E. in Mechanical Engineering Pillai HOC College of Engineering & Technology - Rasayani <ul style="list-style-type: none"> B.E. in Mechanical Engineering B.E. in Electronics B.E. in Tele-communications Engineering B.E. in Information Technology B.E. in Computer Engineering B.E. in Civil Engineering B.E. in Electronics Engineering B.E. in Computer Engineering (Direct Second Year) M.E. in Mechanical Engineering M.E. in Electronics & Tele-communications Engineering M.E. in Computer Engineering M.E. in IT (Information & Cyber Warfare) Robotic / Warfare and Artificial Intelligence M.E. in Civil Engineering (Construction Engineering & Management) - Proposed 	ARCHITECTURE (Approved by the Council of Architecture and AICTE) (Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.) <ul style="list-style-type: none"> Pillai College of Architecture - New Panvel Pillai HOC College of Architecture - Rasayani (B.Arch 5 year degree course) M.ARCH. (Urban Design) <ul style="list-style-type: none"> Pillai College of Architecture - New Panvel MANAGEMENT COURSE (Approved by AICTE) (Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.) NBA Accredited 'A' Grade by DTE, Govt. of Maharashtra <ul style="list-style-type: none"> Pillai Institute Of Management Studies & Research - New Panvel (MMS - 2 year Post-Graduate Course) Pillai HOC Institute Of Management Studies & Research - Rasayani 	PUBLIC LIMITED COMPANY <ul style="list-style-type: none"> Vidyadhar Educational Development Ltd. - New Panvel (Company formed for providing finance to Educational Institutions and for needy students to pursue Higher Education.) N.G.O. FOR SOCIAL WORK <ul style="list-style-type: none"> Euridite Education Mission CONSULTANCY FIRM <ul style="list-style-type: none"> Pillai Centre for Cyber Security and Digital Forensics SPORTS CLUBS <ul style="list-style-type: none"> Chembur English Sports Club (Regd.) - Chembur Mahatma Sports Club (Regd.) - New Panvel DISTANCE EDUCATION CENTRE (Approved by the Council of IGNOU Study centre [1632] (MBA/BA/B.Com./MCA/BCA/CIC BTS/DTC/CTS))



Chembur English High School, Chembur Tel: 022 25224856
 Dr. K. M. Vasudevan Pillai's Campus, New Panvel Tel: 022 27456100 / 1700 2748 1764 / 2745 6030
 Mahatma School of Academics & Sports, Khanda Colony, New Panvel Tel: 022 27453050 / 4285
 Mahatma International School, Khanda Colony, New Panvel Tel: 022 27453050 / 4285
 HOC International School, Rasayani Tel: (952192) 252192 / 252195
 Dr. Pillai Global Academy, Gorai Tel: 022 28684464/7
 Dr. Pillai Global Academy, Sector 7, New Panvel Tel: 022 27481737/31

www.mes.ac.in



MAHATMA EDUCATION SOCIETY'S PILLAI HOC COLLEGE OF ARTS, SCIENCE & COMMERCE

Pillai

Pillai HOCL Educational campus, Rasayani, Khalapur,
 Via Panvel, Raigad, Tel- 02192-669000, 669001, E-mail- phcasc@mes.ac.in.
AFFILIATED TO UNIVERSITY OF MUMBAI
NAAC ACCREDITED

PHCASC

INFORMATION BROCHURE



VISION

The vision of the college is to provide education to all, irrespective of region, religion, caste, economic strata and academic performance thereby becoming the real catalyst for change in the society.

MISSION

To ensure excellence in education by maintaining high standards of teaching

- ◆ To help the students enhance their skill sets
- ◆ To work for the personality development of the students
- ◆ To inculcate in them scientific temper and civic sense
- ◆ To provide best infrastructure comparable to international standards.

OBJECTIVES

- ◆ To enhance student competence
- ◆ To help them meet the demands of dynamic job market
- ◆ To serve the marginalised section of society
- ◆ To sensitise the students for propagating the importance of Human Rights and Environment.

ABOUT MES MAHATMA EDUCATION SOCIETY

The Mahatma Education Society was established in the year 1970 with Mr. M.P. Pillai as the founder Chairman and Dr. K.M. Vasudevan Pillai as the founder Secretary. It started off with a Primary School and today due to the visionary zeal and dynamic leadership of C.E.O. Dr. K.M. Vasudevan Pillai, the society runs forty two institutions in Mumbai and Navi Mumbai imparting education in varied disciplines from the primary to the post graduate level. Dr. Daphne Pillai, the Joint Secretary of the Society and Rector of the Campus is also the Principal of the college and has endeavored to provide quality education in a high tech atmosphere.

The Society has in its employment one thousand five hundred teaching faculty in different disciplines, three hundred and fifty support staff in its offices and two hundred and fifty sub-staff on its campus. While maintaining a high level of efficiency, Mahatma Education Society takes a humanitarian approach in employing sub staff and fulfills self-imposed social responsibility by giving employment to local women who have no other source of livelihood.

The society has excellent faculty in all branches and the latest teaching aids, audio-visual equipment and modern laboratories. The libraries are well stocked centers of information for the students and faculty.

THE SOCIETY ALSO RUNS THE FOLLOWING INSTITUTIONS IN THE CAMPUS:

PILLAI HOC INSTITUTE OF MANAGEMENT STUDIES & RESEARCH (PHIMSR)

(PHIMSR) established in 2009. It trains students for Master of Management Studies of University of Mumbai. It also trains students for post-graduate diploma in International Business, & Banking & Finance approved by AICTE.

PILLAI HOC COLLEGE OF ARCHITECTURE (PHCA)

(PHCA) established in 2010, it is today amongst the best Architecture institutions in the country.

PILLAI HOC POLYTECHNIC (PHP)

[PHP] established in 2009 with 3-year Courses for Computer, Mechanical, Electronic & Telecommunication and Civil Engineering, affiliated to MSBTE.

PILLAI HOC COLLEGE OF ENGINEERING & TECHNOLOGY (PHCET)

(PHCET) established in 2009, offers five of the most important disciplines in Bachelor of Engineering -Automobile, Civil, Information Technology, Electrical, Electronics and Telecommunication, Mechanical and Computer Engineering. It also offers Masters of Engineering in Mechanical, Civil, Electronics and Telecommunication & Computers. All the courses run by the Institute are approved by AICTE and affiliated to University of Mumbai.

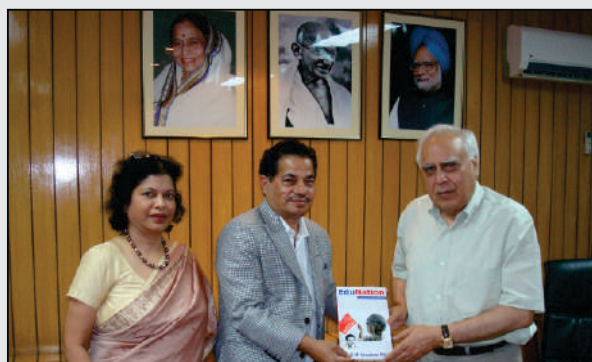
PILLAI HOC COLLEGE OF EDUCATION & RESEARCH (PHCER)

(PHCER) established in 2010, with 2-year Courses and affiliated to University of Mumbai.

CHAIRMAN&CEO'SMESSAGE



Dr. K. M. Vasudevan Pillai
Chairman & C.E.O
Mahatma Education Society



"We are committed to provide a holistic education based on new-generation academics that creates not just powerful global career options for our students, but which empowers them to become key contributors to the community and the environment in which they live. We strive to achieve nation-building through character-building and we do so through an approach of mentoring."

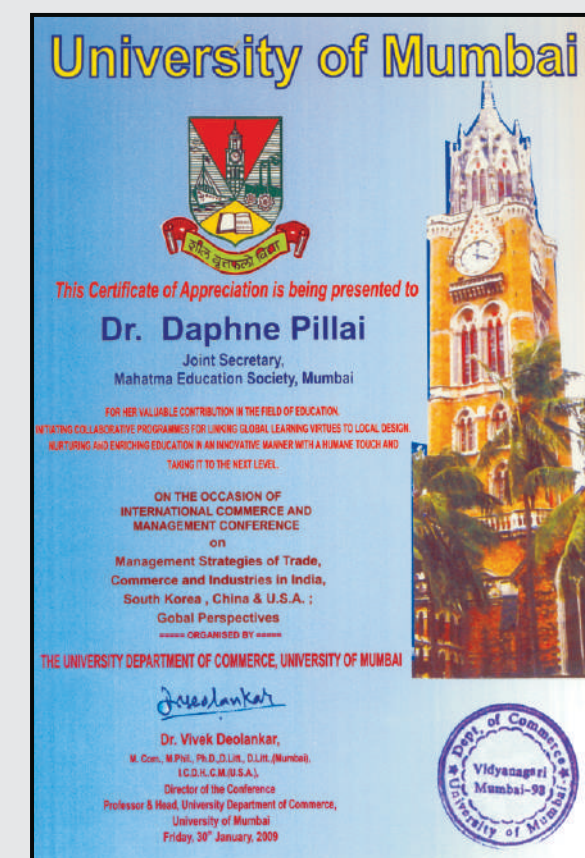
SECRETARY'SMESSAGE



Dr. Daphne Pillai
Secretary
Mahatma Education Society



In this fiercely competitive world, success has several dimensions far widespread than the vortex of academia, spreading its tentacles into diverse fields on which one has to be adept in. Our objective at Pillais' has always been to create a climate conducive to 'endeavour' that students can unleash their untapped potential. Very often one is not even aware of one's capabilities and we at Pillais' believe that even if we succeed in making the student scratch the tip of the iceberg, we have set the ball rolling. Our chosen path has been appropriately vindicated by the plethora of prizes won by our students in diverse fields. The year done by has truly been momentous in several dimensions with Pillais' has carved a niche for itself amongst the top-line institutions of learning affiliated to the Mumbai University. This bears testimony to the unstinted efforts of my dedicated team of the teachers who have succeeded in igniting the passion in student to excel. With the pool of student talent at the threshold of unleashing their potential, we can truly set our sights high for the coming years, and surpass our achievement never losing sight of our cherished goal to achieve excellence in all our endeavors. At Pillai's, we will provide you the right environment which will enable you to fulfill all your aspirations and ambitions.



MESSAGE FROM THE PRINCIPAL



Dr.Lata Menon.
Principal

In a safe and caring environment, we inspire and prepare young people to achieve their potential. Our college educates the whole mind, body and spirit of a student and we focus on each students needs and talents . our staff is our greatest strength. Their commitment to the formation of the whole person and their concern and care for each people ensures that Pillai HOC College of Arts, Science & Commerce is a special experience for each student we recognize that all our students have different talents and we strive to ensure that every student has an equal opportunity to find and develop the talent they possess. they are challenges in the classroom by pushing them to think beyond the obvious. they enjoy excellent teaching and wide variety of co - Curricular activities

PILLAI HOC COLLEGE OF ARTS, SCIENCE & COMMERCE

Pillai HOC College of Arts, Science and Commerce was established in 2008 by Dr. K.M. Vasudevan Pillai whose vision was to provide students of Rasayani & Raigad with quality education in a high tech atmosphere. It started off with just a handful of students, but today it has grown to full - fledged Bachelors and Masters Degree College with over five hundred students on its roll and four disciplines, i.e. B.Com (regular) , B.M.S., B.Sc. (Computer Science), B.Sc. (Information Technology) . It is surrounded by natural beauty and supported by the best infrastructure facilities, a state of art conference room and well stocked libraries. It also has three computer labs with more than 350 computers which is available for the students from 09.00 a.m to 05.00 p.m.

AFFILIATION

The courses conducted are affiliated to University of Mumbai.

STUDENTS' ACTIVITIES

We believe in developing each student to his / her potential. We have many Associations like Students' Council, Gymkhana Council, Management Association, Computer Association, Economics Association, Mathematics Association, Entrepreneur Development Cell, etc. managed by selected student representatives of various branches. They encourage and motivate students to participate and organize various intercollegiate competitions, workshops, seminars, debates , educational tours etc . Academically each division has a class co-ordinator to give feedback on teaching and learning . Students who are interested in sports are encouraged and trained to participate in various inter - collegiate and inter - state competitions. Our students have been selected to represent Mumbai University in Inter University Tournaments.

STUDENTS' SUPPORT SYSTEM

We have a strong support system to help the students in various areas encouraging them not only academically but also economically and psychologically. To name a few:

- F Guardian Teacher system supported by counseling by Professional counsellor has created and developed self confidence among students of all branches helping them to do better in the classroom.
- F Interaction with parents on regular basis is a part of our academic activity.
- F Bridge course is conducted to help weak students in Mathematics and Accountancy so that they can be integrated with regular lectures.
- F Free-ship and Scholarship are provided by Management to financially backward students and scholars, in addition to Government support.
- F Employment cell has been very active and some of the employers who have visited our campus and recruited our students are InfoTech, Accenture, Mastek, Wipro, L&T and Ace
- F We have "Earn and Learn" system in limited areas.
- F We are a unit of Life Long Learning & Extension Department of University of Mumbai






RULES & REGULATIONS

College follows a set of rules and regulations which are based on those laid down by University of Mumbai. In order to conduct the overall academic and administrative activities, learners, their parents and/or guardians are requested to cooperate and observe the same. In case of any breach of rules or indiscipline by the student, the decision of the Principal shall be final.

(A) ADMISSIONS

1. All admission procedures and fee structure will be as per the guidelines of the University of Mumbai.
 - a) Students should mandatorily register Online at the University of Mumbai portal and the website of Mumbai digital university is **mum.digitaluniversity.ac** (*liable to change as per University of Mumbai notification*) for the courses in which they are interested under the Mahatma Education Society's, Pillai HOC College of Arts, Science and Commerce , Rasayani link.
 - b) The printout of the registration acknowledgement should be submitted along with the admission form within the prescribed date . No admissions will be made without the online submission copy generated from Mumbai Digital University portal.
 - c) A merit list will be displayed and admissions will be as per instruction displayed at the time of list declaration.
 - d) ***The fee as per the schedule displayed is to be paid in cash at the time of admission.***
2. Admissions are provisional until all the necessary documents (like Original Mark-sheets, attested copy of Mark-sheets, Original Leaving Certificate, attested copy of Leaving Certificate, Eligibility and Digital Transfer Certificates , NOC, Gap Certificate (wherever applicable) photographs etc. are submitted to the college office, verified and endorsed.
3. All students taking admission to the **first year** of any stream must complete the Enrollment/Eligibility procedure for the confirmation of their admission.
 - a) A student passing the H.S.C. examination of the Maharashtra State Board of Secondary and Higher Secondary Education and eligible for admission to the First Year shall apply to the Registrar of Mumbai University for a certificate of enrolment through the college. Application forms for enrolment along with the statement of H.S.C. marks, passing certificate, leaving certificate, copies thereof and necessary fees are to be submitted at the time of filling the admission form in the College.
 - b) Students who have passed from other than Maharashtra State Board/University of Mumbai should apply for a provisional statement of Eligibility, at time of their admission. Such students should submit the required form with the prescribed fee, original and

(Science Section)

- 
BACHELOR OF SCIENCE - (B.Sc.CS)
 (Computer Science)
 - 
BACHELOR OF SCIENCE - (B.Sc.DS)
 (Data Science)
 - 
BACHELOR OF SCIENCE - (B.Sc.IT)
 (Information Technology)
 - 
BACHELOR OF SCIENCE - (B.Sc.HS)
 (Hospitality Studies)
 - 
BACHELOR OF SCIENCE - (B.Sc)
 (Maths, Physics, Chemistry & Biology)

(Commerce Section)

- 🏠 **BACHELOR OF COMMERCE - (B.Com)**
(Regular)
- 🏠 **BACHELOR OF COMMERCE - (BAF)**
(Accounting & Finance)
- 🏠 **BACHELOR OF MANAGEMENT STUDIES - (BMS)**

(Post Graduate Programmes)

- 🔷 **M.Com. Accountancy**
- 🔷 **M.Sc. IT.**
- 🔷 **M.Sc. Organic Chemistry**
- 🔷 **M.Sc. Physics**

photocopies of their marksheet.

4. Students should ensure that they submit their original mark-sheet, Migration Certificate, Leaving Certificate and Passing certificates within 30 days of their admission failing which their admission to the said course may be cancelled.
5. On securing admission every student shall obtain an Identity card and a Library Card. No student shall be permitted to enter the college premises without a valid Identity card. **Every student shall daily wear his/her Identity Card while being present in the college premises.** Non compliance of this rule will lead to strict disciplinary action.
6. Students are allowed to attend lectures in the college only for the subjects for which they have enrolled.
7. Cancellation of admissions will be done as per the norms of the University of Mumbai. If no intimation regarding cancellation of admission is received by the Principal in writing till the beginning of the Second Term, the full fees for the Second Term will be charged.
8. For the cancellation of admissions and refund of fees, the Identity Card, the Library Readers' Cards (if issued), Library Clearance certificate and the **Original Fee Receipt** needs to be submitted to the college office along with the application of refund. Refund of fees for the Degree College shall be as per rules of the University of Mumbai, and will be made within a period of maximum 7 working days.
9. Upon completion of the course or Cancellation of admission during the course, Caution Money and Library Deposit will be refunded (if not forfeited for any reason) to a student provided.
 - a) It is certified that he/she owes no money to the college.
 - b) He/she has no library books or any other college property in his/her possession.
 - c) He/she submits the original receipt of all the years.
10. The Caution Money and Library Deposit will be refunded only on the dates notified by the college. A prescribed form for the refund of fees is available in the college office.
11. Students applying for railway concessions, testimonials, transcripts, bonafide certificates or any other document certification by the Principal should first contact the office at the designated counter and at the mentioned time slots only. Documents will be processed and issued only within the time periods mentioned.

(B) DISCIPLINE AND CONDUCT

The conduct of a Pillai collegian inside the class rooms, or the premises of the college and

outside the college shall be such that it will not interfere with the orderly administration and discipline in the college and not cause any disturbance to fellow students.

1. A learner is expected to be in his/her respective class during lecture hours. They shall not sit in the canteen or loiter around in college premises or outside the campus during their lecture hours. Strict disciplinary action will be taken against those who are found doing so.
2. College property should not be damaged and students are expected to take care of the same and help in maintaining cleanliness in and around the campus. Damage to college property such as disfiguring walls, benches, doors, breaking of furniture, fittings etc. is a breach of discipline and will be dealt with severe disciplinary actions.
3. Students should take care of their belongings and college will not be responsible for loss of student's belongings. Those who find any lost property should deposit them in the college office immediately. If any material is lost the owner should make a written complaint of the same immediately to the administrative office with details of the lost item. If any material is found the owner should claim the lost property from the office after due identification within a day.
4. CC TV cameras have been installed at strategic locations such as library, Laboratories etc. Student found involving in any misconduct such as theft etc. will be dealt with strict disciplinary action and may be rusticated.
5. Learners are expected to read the notice boards regularly in their own interest.
6. **CARRYING OR CONSUMING INTOXICANTS OR NARCOTIC MATERIALS INCLUDING TOBACCO, ALCOHOL, WITHIN THE COLLEGE PREMISES, DURING EVENTS ORGANIZED BY THE COLLEGE SUCH AS INDUSTRIAL VISITS / EDUCATIONAL TRIPS / PICNICS, COLLEGE DAYS, ETC. IS STRICTLY PROHIBITED. STRICT DISCIPLINARY ACTION WILL BE TAKEN AGAINST STUDENTS IF FOUND INDULGING IN SUCH ACTIVITIES.**
7. Chewing gum during lectures or when interacting with teachers is not allowed.
8. MOBILE PHONES ARE STRICTLY PROHIBITED INSIDE THE CAMPUS.
9. Participation in any political activities within the college campus and/or inviting votes during any election in the name of political parties within the college campus amounts to breach of code of conduct and may lead to cancellation of admission or candidature.
10. **RAGGING IN ALL FORMS IS TOTALLY BANNED IN THE ENTIRE INSTITUTION.**
 - I) The ban includes its departments and premises (academic, sports, residential, canteen etc.) whether located within the campus or outside and in all modes of transportation of

students whether public or private. As per UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009 is a criminal offence. Pillai HOC college prohibits any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or in disciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame or torment or embarrassment. Ragging is totally prohibited in the Institution, and anyone found guilty or ragging and/or abetting ragging, whether actively or passively or being a part of the conspiracy to promote ragging, is liable to be punished in accordance with the regulations and under the provisions of any penal law from time being in force.

ii) All students and their guardians have to sign an undertaking at the time of admission stating that the student will not indulge in ragging and are aware of the consequence of the same.

11. No student shall communicate any official information or write about matters dealing with the College in any manner to the Press or Media without the prior consent of the administration.
12. The name of the college will not be used for any privately or individual organized event or function or picnic. Violation may lead to permanent debarring from the college.
13. No association or club or society will be formed in the college without the permission and sanction of the Principal. No students will collect money for organized trips, study notes, get-together etc. without the consent of the Principal.
14. NO STUDENT SHALL COLLECT MONEY IN THE NAME OF CHARITY WITHIN THE CAMPUS.
The college organizes Community Service Day in the month of January every year and voluntary donations from students are collected in the collection drive done by the college authorities.

(c) ATTENDANCE

1. Students shall attend lectures, tutorials, practical, seminars, viva, presentations, and examinations as per the timetable of the college. As per University ordinance 0.6086, every bonafide learner shall ordinarily be allowed to keep terms for the given semester in a program of his enrolment, only if he fulfills at least 75% of the attendance taken as averages of the total number of lectures, practical, tutorials etc.
2. If a student fails to fulfil his/her attendance requirements, his/her term/s will not be granted

and he/ she will not be permitted to appear for the Semester end examination and his/her performance if any, during the term/s will be treated as null and void OR will not be granted admission for the following year OR may not be granted the preferred optional subjects.

3. Students are warned that if their attendance is unsatisfactory in the first term then their names will not be retained on the college rolls with effect from the beginning of the second term of the academic year.
4. A attendance defaulter student may be given conditional admission wherein his/her admission is confirmed only if he/she meets the required attendance during the said period.
5. List of Attendance Defaulters will be displayed in the first week of every month on the College Notice Boards. Parents/Guardians may be summoned to seek an explanation and make them aware of the rules regarding minimum attendance and warn that their ward may loose the term.
6. No learner can remain absent from lectures or practical or tutorial without the prior permission of the Principal/ Vice Principal/ Prof. In-Charge/ Co-ordinator. Continuous absentism with or without permission may lead to loss of term
7. Prolonged illness will not entitle the student to attendance and he / she has to make up the attendance being regular in the class room subsequently, falling which they may not be allowed to keep the term.

(D) Examination

From Academic Year 2017-18, all the examinations will be held by the college on behalf of University of Mumbai as per the dates and rules prescribed by the university from time to time. As per the revised 0.6086 brought into effect from 2014-15, via University circular No. UG/01 of 2014 dated 5th May 2014

Every bonafide learner (student) shall ordinarily be allowed to keep terms for the given semester in a program of his enrolment, only if he fulfills at least seventy five percent (75%) of the attendance taken as an average of the total number of lectures, practical's, tutorials etc. wherein short and/or long excursions/field visits/study tours organized by the college and supervised by the teachers as envisaged in the syllabus shall be credited to his attendance for the total no of periods which are otherwise delivered on the material day/s. Further it is mandatory for every learner to have min 5 0% attendance for each course & average attendance has to be 75%.

To know the dates of commencement of the University examinations please click on www.mu.ac.in for details

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The University of Mumbai had adopted the CREDIT BASED SEMESTER AND GRADING SYSTEM which was implemented for Undergraduate Programs from 2011-12 by all its affiliating Colleges. Manuals for the Arts, Science and Commerce published by the University can be found here.

- [Manual On Semester Based, Credit and Grading System For Under Graduate \(UG\) Programmes Under The Faculty of Arts](#)
- [Manual On Semester Based, Credit and Grading System For Under Graduate \(UG\) Programmes Under The Faculty of Science](#)
- [Manual On Semester Based, Credit and Grading System For Under Graduate \(UG\) Programmes Under The Faculty of Commerce](#)

Academic Year with effect from	Class	Exam Pattern	Class	Exam Pattern
2011-12	FY	60:40	SY&TY	100
2012-13	SY&TY	60:40	–	–
2013-14	FY, SY&TY	60:40	–	–
2014-15	FY, SY&TY	75:25	–	–
2015-16	FY, SY&TY	75:25	–	–

From Academic Year 2016 - 17, Mumbai University has adopted the CHOICE BASED CREDIT AND GRADING SYSTEM.

Implementation status of CBCGS from 2016-17 onwards

Academic Year with effect from	Class	Exam Pattern	Class	Exam Pattern
2016-17	FY	100	SY & TY	75:25
2017-18	FY and SY	100	TY	75:25

- The undergraduate degree course is of three years integrated course.
- Divided into Six semesters. Two semesters at each year
- **Evaluation** as of 30th May 2017

1. For First year and Second Year courses–Semester End Theory Examination of 100 marks . For Foundation Course, the performance of the learners shall be evaluated into two components. An internal assessment of 25 Marks (20 Mark project work and 5 mark for active participation and attendance) and semester end theory examination of 75 Marks.

2. For third year courses –Internal Assessment of **25 marks** (20 mark test paper, pattern decided as per respective board of studies and 5 mark for active participation and attendance) &

Grade	MARKS	Grade point
O	70 & above	7
A	60 – 69.99	6
B	55 – 59.99	5
C	50 – 54.99	4
D	45 – 49.99	3
E	40 – 44.99	2
F	Less than 40	1

Marks	Grade Point	Grade	Performance
80 & Above	10	O	Outstanding
70 – 79.99	9	A+	Excellent
60 – 69.99	8	A	Very Good
55 – 59.99	7	B+	Good
50 – 54.99	6	B	Above Average
45 – 49.99	5	C	Average
40 – 44.99	4	D	Pass
Less than 40	0	F	Fail

0.229 EXTRA CURRICULAR ACTIVITIES

Grace marks will be awarded to students under the above ordinance for extracurricular activities like NCC, NSS, Sports, Cultural activities, LLE etc.

- Only at the examination for the first time/attempt.
- If fails in one or more heads of passing, the benefit of grace marks shall be granted to the extent of 5% of the maximum marks allotted to the concerned subject.
- 1 CG will be granted for the purpose of enabling a candidate for the award of class and or distinction in the examination.
- If benefit of grace marks is not availed in the above 3 cases, in case of CBGS the 0.1 will be added in the final grade to the GPA. However, if the benefit is given to for passing the subjects the same may be proportionately deducted from the total grade point (0.1) e.g. 0.01 shall be deducted from final grade, for every one mark given for passing the subjects.
- Grace Marks under this ordinance will not be counted for the award of Scholarship's Prizes and Medals or Any other award
- Rules related to gracing under this ordinance shall be applied first and the same will be shown separately.

Students with Dyslexia, Dysgraphia & Dyscalculia or are visually impaired /low vision/physically challenged are requested to contact college office to obtain details about the facilities available to them for examinations viz. Extra time and writer. They are required to produce the relevant documents to avail the benefits.

PHOTO COPYING & REVALUATION

The examinee can independently apply for Revaluation or photocopy or both simultaneously, if he/she desires so. The Examinee who desires to apply for revaluation are requested to note that, his / her original marks will become null & void as soon as he submits his application for the revaluation. Under these rules applying for the Photocopy (ies) of answer-books shall be permitted in respect of,

For theory papers of all the examinations conducted by the College/university in the current session.

The scripts of practical examination / session work/project work/dissertation/internal in the current session. The revaluation facility shall be for theory papers of all the examinations conducted by the University for the respective current session and the applications received within prescribed time limit. under these rules the revaluation of answer books shall also be

prescribed time limit. Under these rules the revaluation of answer books shall also be permitted in respect of;

- For theory papers of all the examinations conducted by the College/ University in the current session.
- The marks awarded to the scripts of practical examination / session work / project Work / dissertation / internal assessment / term work (including theory part) wherever written scripts are available.
- All Examinees can apply for the revaluation of the answer book(s) with whatever marks he / she secured and even the Zero Marks.

Unfair practices during the college examinations will be not tolerated and dealt with as per the provisions of University of Mumbai ordinance 0.5050 and Section 7 of the Maharashtra Act No. XXXI of 1992. The said Act empowers the Chief Conductor / Senior Supervisors at the Examination to report the offence committed by any student to the police, if necessary. Disciplinary actions as per 0.5050 may lead to debarring the learner from any examination for upto 2 years or imprisonment or fine upto Rs. 1000/-

mobile phones are banned in the examination hall. If a learner is found to possess mobile phone in person, even in switch off mode, during the examination, it will amount to unfair practices and dealt with accordingly.





B.COM. (Regular)

Course Structure

Six Semester (Three Years) Course Leading to Bachelor of Commerce Degree

Under Choice Based Credit, Grading and Semester System

(To Be implemented from Academic Year - 2016 - 2017)

F.Y.B.Com

No. of Courses	Semester I	No. of Courses	Semester II
1	Elective Courses (EC)	1	Elective Courses (EC)
1A	Discipline Specific Elective (DSE) Courses	1A	Discipline Specific Elective (DES) Courses
1	Accountancy and Financial Management-I	1	Accountancy and Financial Management-II
1B	Discipline Related Elective (DRE) Courses	1B	Discipline Related Elective (DRE) Courses
2	Commerce - I	2	Commerce - II
3	Business Economics - I	3	Business Economics - II
2	Ability Enhancement Courses (AEC)	2	Ability Enhancement Courses (AEC)
2A	Ability Enhancement Compulsory Courses (AECC)	2A	Ability Enhancement Compulsory Courses (AECC)
4	Business Communication-I	4	Business Communication-II
2B	*Skill Enhancement Courses (SEC)	2B	**Skill Enhancement Courses (SEC)
6	Any one course from the following list of the courses	6	Any one course from the following list of the courses
3	Core Courses (CC)	3	Core Courses (CC)
7	Mathematical and Statistical Techniques-I	7	Mathematical and Statistical Techniques-II

*List of Skill Enhancement Courses (SEC) for Semester I (Any One)

1	Foundation Course-I
2	Foundation Courses in NSS-I
3	Foundation Course in NCC-I
4	Foundation Course in Physical Education-I

**List of Skill Enhancement Courses (SEC) for Semester II (Any One)

1	Foundation Course - II
2	Foundation Courses in NSS-II
3	Foundation Course in NCC-II
4	Foundation Course In Physical Education-II

Note: Course selected in Semester I will continue in Semester II

S.Y.B.Com*(To be implemented from Academic Year - 2017-18)*

No.Of Courses	Semester III	No.Of Courses	Semester IV
1	Elective Courses(EC)	1	Elective Courses(EC)
1A	Discipline Specific Elective (DES) Courses	1A	Discipline Specific Elective (DES) Courses
1	Accountancy and Financial Management III	1	AccountancyandFinancial ManagementIV
2	Financial Accounting and Auditing V - Introduction to Management Accounting	2	Financial Accounting and Auditing VI - Auditing
1B	Discipline Related Elective (DRE) Courses	1B	Discipline Related Elective (DRE) Courses
3	Commerce III	3	Commerce IV
4	Business Economics III	4	Business Economics IV
2	Ability Enhancement Courses (AEC)	2	Ability Enhancement Courses (AEC)
2A	*Skill Enhancement Courses (SEC) Group A	2A	**Skill Enhancement Courses(SEC) Group A
5	*Any one course from the following list of the courses	5	*Any one course from the following list of the courses
2B	*Skill Enhancement Courses (SEC) Group B	2B	**Skill Enhancement Courses (SEC) Group B
6	Any one course from the following list of the courses	6	Any one course from the following list of the courses
3	Core Courses (CC)	3	Core Courses (CC)
7	Business Law I	7	Business Law II
*List of Skill Enhancement Courses (SEC) Group A for Semester III (AnyOne)		*List of Skill Enhancement Courses (SEC) Group A for Semester IV (AnyOne)	
1	Advertising I	1	Advertising I
2	Field Sales ManagementI	2	Field Sales Management I
3	Public Relations I	3	Public Relations I
4	Mass Communication I	4	Mass Communication I
5	Travel & Tourism Management Paper I	5	Travel & Tourism Management Paper I
6	Journalism I	6	Journalism I
7	Company Secretarial Practise I	7	Company Secretarial Practise I
8	Rural Development I	8	Rural Development I
9	Co-Operation I	9	Co-Operation I
10	Mercantile Shipping I	10	Mercantile Shipping I
11	Indian Economic Problem I	11	Indian Economic Problem I
12	Computer Programming I	12	Computer Programming I
13	Logistic and Supply Chain Management I	13	Logistic and SupplyChain Management I
14	Direct &Indirect Taxation I	14	Direct & Indirect Taxation I

Note: Course selected in Semester III will continue in Semester IV**FacultyofCommerce,UniversityofMumbai**

*List of Skill Enhancement Courses(SEC) Group B for Semester III(Any One)		**List of Skill Enhancement Courses(SEC) Group B for Semester IV(Any One)	
1	Foundation Course - III	1	Foundation Course - IV
2	Foundation Course in NSS - III	2	Foundation Course in NSS - IV
3	Foundation Course in NCC - III	3	Foundation Course in NCC - IV
4	Foundation Course in Physical Education - III	4	Foundation Course in Physical Education - IV

Note: Course selected in Semester III will continue in Semester IV**T.Y.B.Com***(To be implemented from Academic Year-2018-2019)*

No.of Courses	Semester V	No.of Courses	Semester VI
1	Elective Courses (EC)	1	Elective Courses (EC)
1A	Discipline Specific Elective(DSE) Courses	1A	Discipline Specific Elective (DSE) Courses
1&2	*Any one group of courses from the following list of the Groups (A/B/C/D/E/F)	1&2	*Any one group of courses from the following list of the Groups(A/B/C/D/E/F)
1B	Discipline Related Elective (DRE) Courses	1B	Discipline Related Elective (DRE) Courses
3	Commerce V	3	Commerce VI
4	Business Economics V	4	Business Economics VI
2	Ability Enhancement Courses (AEC)	2	Ability Enhancement Courses (AEC)
5&6	**Any two courses from the following list of the courses	5&6	**Any two courses from the following list of the courses

*List of groups of Discipline Specific Elective(DSE) Courses for SemesterV(Anyone Group)		*List of groups of Discipline Specific Elective(DSE) Courses for Semester VI (AnyoneGroup)	
Group A : Advanced Accountancy			
1	Financial Accounting and Auditing VII- Financial Accounting	1	Financial Accounting and Auditing IX- Financial Accounting
2	Financial Accounting and AuditingVIII- Cost Accounting	2	Financial Accounting and Auditing X- Cost Accounting
Group B : Business Management			
1	Business Management Paper I	1	Business Management Paper III
2	Business Management Paper II	2	Business Management Paper IV
Group C: Banking and Finance			
1	Banking and Finance Paper I	1	Banking and Finance Paper III
2	Banking and Finance Paper II	2	Banking and Finance Paper IV
GroupD : Commerce			
1	Commerce Paper I	1	Commerce Paper III
2	Commerce Paper II	2	Commerce Paper IV
GroupE : Quantitative Techniques			
1	Quantitative Techniques Paper I	1	Quantitative Techniques Paper III
2	Quantitative Techniques Paper II	2	Quantitative Techniques Paper IV
Group F: Economics			
1	Economics Paper I	1	Economics Paper III
2	Economics Paper II	2	Economics Paper IV
Note : Group selected in Semester V will continue in Semester VI			

Note : Group selected in Semester V will continue in Semester VI**Faculty of Commerce,University of Mumbai**

**List of Discipline Related Elective (DRE) Courses for Semester V (Any One)		**List of Discipline Related Elective (DRE) Courses for Semester VI (Any One)	
1	Trade Unionism and Industrial Relations Paper I	1	Trade Unionism and Industrial Relations Paper II
2	Computer system & Applications Paper I	2	Computer system & Applications Paper II
3	Export Marketing paper I	3	Export Marketing paper II
4	Marketing Research Paper I	4	Marketing Research Paper II
5	Investment Analysis Portfolio P	5	Investment Analysis Portfolio Paper II
6	Transport Management Paper I	6	Transport Management Paper II
7	Entrepreneurship & M.S.S.I. Paper I	7	Entrepreneurship & M.S.S.I. Paper II
8	International Marketing Paper I	8	International Marketing Paper II
9	Merchant Banking Paper I	9	Merchant Banking Paper II
10	Direct & Indirect Taxation Paper I	10	Direct & Indirect Taxation Paper II
11	Labour Welfare & Practise Paper I	11	Labour Welfare & Practise Paper II
12	Purchasing & Store Keeping Paper I	12	Purchasing & Store Keeping Paper II
13	Insurance Paper I	13	Insurance Paper II
14	Banking Law & Practice Paper I	14	Banking Law & Practise Paper II
15	Regional Planning Paper I	15	Regional Planning Paper II
16	Rural Marketing Paper I	16	Rural Marketing Paper II
17	Elements of Operational Research Paper I	17	Elements of Operational Research Paper II
18	Psychology of Human Behaviour at work Paper I	18	Psychology of Human Behaviour at work Paper II
Note: Course selected in Semester V will continue in Semester VI			

***Subjects are liable to change as per University of Mumbai Syllabus.**

Faculty of Commerce ,University of Mumbai

ADMISSION ELIGIBILITY For B.Com (Regular) (0.2152)

A candidate for being eligible for admission to the three year degree course leading to the Bachelor of Commerce must have passed the Higher Secondary School Certificate (Std. XII) examination conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education.

OR

Must have passed the Higher Secondary School Certificate (Std. XII) examination with vocational subjects/minimum competency based vocational course conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education.

OR

Must have passed and examination of another University or Body recognized as equivalent to Higher Secondary School Certificate (Std. XII) Examination.

B.COM. (Accounting & Finance)

Course Structure

Six Semester (ThreeYears) Course Leading to Bachelor of Commerce (Accounting & Finance) Degree

Under Choice Based Credit, Grading and Semester Sysytem Course Structure

(To be implemented from Academic Year- 2016- 2017)

F.Y.B.Com.(Accounting & Finance)

No.of Courses	Semester I	No.of Courses	Semester II
1	Elective Courses (EC)	1	Elective Courses (EC)
1	Financial Accounting (Elementsof Financial Accounting) - I	1	Financial Accounting (Special Accounting Areas)-II
2	CostA ccounting (Introduction and Elementofcost)- I	2	Auditing (Introduction and Planning) - I
3	Financial Management (Introduction to Financial Management) - I	3	Innovative Financial Services
2	Ability Enhancement Courses (AEC)	2	Ability Enhancement Courses (AEC)
2A	Ability Enhancement Compulsory Course (AECC)	2A	Ability Enhancement Compulsory Course (AECC)
4	Business Communication- I	4	Business Communication - II
2B	*Skill Enhancement Courses (SEC)	2B	**Skill Enhancement Courses (SEC)
5	Any one course from the following list of the courses	5	Any one course from the following list of the courses
3	Core Courses (CC)	3	Core Courses (CC)
6	Commerce (Business Environment)- I	6	Business Law (Business Regulatory Framework)-I
7	Business Economics - I	7	Business Mathematice

*List of Skill Enhancement Courses (SEC) for Semester I (AnyOne)		**List of Skill Enhancement Courses (SEC) for Semester II (Any One)	
1	Foundation Course - I	1	Foundation Course - II
2	Foundation Course in NSS- I	2	Foundation Course in NSS-II
3	Foundation Course in NCC-I	3	Foundation Course in NCC-II
4	Foundation Course in Physical Education-I	4	Foundation Course in Physical Education- II
Note: Course selected in Semester I will continue in Semester II			

Board of Studies - in - Accountancy, University of Mumbai

S.Y.B.Com. (Accounting & Finance)*(To be implemented from Academic Year - 2017 - 2018)*

No. of Courses	Semester III	No. of Courses	Semester IV
1	Elective Courses (EC)	1	Elective Courses (EC)
1,2&3	* Any three courses from the following list of the courses	1,2&3	** Any three courses from the following list of the courses
2	Ability Enhancement Courses (AEC)- Skill Enhancement Course (SEC)	2	Ability Enhancement Courses (AEC)- Skill Enhancement Course (SEC)
4	Information Technology in Accountancy - I	4	Information Technology in Accountancy - II
3	Core Courses (CC)	3	Core Courses (CC)
5	Commerce (Financial Market Operations) - II	5	Management (Introduction to Management) - I
6	Business Law (Business Regulatory Framework) - II	6	Business Law (Company Law) - III
7	Business Economics - II	7	Research Methodology in Accounting and Finance

*List of Elective Courses (EC) for Semester III (Any Three)		** List of Elective Courses (EC) for Semester IV (Any Three)	
1	Financial Accounting (Special Accounting Areas)-III	1	Financial Accounting (Special Accounting Areas)-IV
2	Cost Accounting (Methods of Costing)- II	2	Wealth Management
3	Auditing (Techniques of Auditing and Audit Procedures) - II	3	Auditing - III
4	Taxation - II (Indirect Taxes Paper-II)	4	Taxation - III (Indirect Taxes Paper-II)
5	Operation Research	5	Management Accounting (Introduction to Management Accounting)-I

Note: Course selected in Semester III will continue in Semester IV**Board of Studies - in- Accountancy, University of Mumbai****T.Y.B.Com. (Accounting & Finance)***(To be implemented from Academic Year - 2018 - 2019)*

No. of Courses	Semester V	No. of Courses	Semester VI
1	Elective Courses (EC)	1	Elective Courses (EC)
1,2,3&4	*Any four courses from the following list of the courses	1,2,3&4	**Any four courses from the following list of the courses
2	Core Courses (CC)	2	Core Courses (CC)
5	Management (Management Applications)-II	5	Economics (Indian Economy)-III
3	ü Project Work	3	ü Project Work
6	Project Work I	6	Project Work II

Note: Project work is considered as a special course involving application of knowledge in solving/analyzing/exploring a real life situation / difficult problem. Project work would be of 03 credits. A project work may be undertaken in any area of Elective Courses / study area

*List of Elective Courses for Semesterv (Any Four)		**List of Elective Courses for Semester v (Any Four)	
1	Financial Accounting - V	1	Financial Accounting- VI
2	Cost Accounting-IV	2	Cost Accounting-V
3	Financial Management-II	3	Financial Management-III
4	Taxation-IV (Direct Taxes-I)	4	Taxation - V (Direct Taxes-II)
5	International Finance-I	5	Financial Accounting- VII
6	Financial Analysis and Business Valuation	6	Security Analysis and Portfolio Management

Note: Course selected in Semester V will continue in Semester VI***Subjects are liable to change as per University of Mumbai Syllabus.****ADMISSION ELIGIBILITY (0.5204No. UG/395of2004,)**

Dated 7th September, 2004

- (a) A candidate for being eligible for admission to the Bachelor of Commerce (Accounting and Finance) degree course shall have passed XII std. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate at first attempt /'(40% in case of reserved category) .
- (b) Every candidate admitted to the degree course in the constituent/affiliated college/recognized institution, conducting the course, shall have to register himself/herself with the University,

B.M.S**Course Structure**

Six Semester (Three Years) Course Leading to Bachelor of Management Studies (BMS) Degree

*Under Choice Based Credit, Grading and Semester System Course Structure**(To be implemented from Academic Year -2016-2017)***F.Y.BMS**

No. of Courses	Semester I	No. of Courses	Semester II
1	Elective Courses (EC)	1	Elective Courses (EC)
1	Introduction to Financial Accounts	1	Principles of Marketing
2	Business Law	2	Industrial Law
3	Business Statistics	3	Business Mathematics
2	Ability Enhancement Courses (AEC)	2	Ability Enhancement Courses (AEC)
2A	Ability Enhancement Compulsory Course (AECC)	2A	Ability Enhancement Compulsory Course (AECC)
4	Business Communication-I	4	Business Communication -II
2B	*Skill Enhancement Courses (SEC)	2B	**Skill Enhancement Courses (SEC)
5	Any one course from the following list of courses	5	Any one course from the following list of the courses
3	Core Courses (CC)	3	Core Courses (CC)
6	Foundation of Human Skills	6	Business Environment
7	Business Economics-I	7	Principles of Management

*List of Skill Enhancement Courses (SEC) for Semester I (Any One)		**List of Skill Enhancement Courses (SEC) for Semester II (Any One)	
1	Foundation Course - I	1	Foundation Course - Value Education and Soft Skill - II
2	Foundation Course in NSS - I	2	Foundation Course in NSS - II
3	Foundation Course in NCC - I	3	Foundation Course in NCC - II
4	Foundation Course in Physical Education - I	4	Foundation Course in Physical Education - II

*Note: Course selected in Semester I will continue in Semester II***Board of Studies-in-Business Management, University of Mumbai****SYBMS****(To be implemented from Academic Year- 2017-2018)**

No. of Courses	Semester III	No. of Courses	Semester IV
1	Elective Courses (EC)	1	Elective Courses (EC)
1&2	*Any one group of courses from the following list of the courses	1&2	** Any one group of courses from the following list of the courses
2	Ability Enhancement Courses (AEC)	2	Ability Enhancement Courses (AEC)
3	Information Technology in Business Management - I	3	Information Technology in Business Management-II
3	Core Courses (CC)	3	Core Courses (CC)
4	Environmental Management	4	Business Economics-II
5	Business Planning & Entrepreneurial Management	5	Business Research Methods
6	Accounting for Managerial Decisions	6	Ethics & Governance
7	Strategic Management	7	Production & Total Quality Management

<i>*List of group of Elective Courses (EC) for Semester III (Any two)</i>		<i>**ListofgroupofElectiveCourses(EC) for Semester IV (Anytwo)</i>	
<i>Group A: Finance Electives (Any Two Courses)</i>			
1	Basics of Financial Services	1	Financial Institutions & Markets
2	Introduction to Cost Accounting	2	Auditing
3	Equity & Debt Market	3	Strategic Cost Management
4	Corporate Finance	4	Behavioural Finance
<i>Group B: MarketingElectives (Any Two Courses)</i>			
1	Consumer Behaviour	1	IntegratedMar keting Communication
2	Product Innovations Management	2	Rural Marketing
3	Advertising	3	Event Marketing
4	Social Marketing	4	Tourism Marketing
<i>Group C : Human Resource Electives (Any Two Courses)</i>			
1	Recruitment & Selection	1	Human Resource Planning & Information System
2	Motivation and Leadership	2	Training & Development in HRM
3	Employees Relations & Welfare	3	ChangeManagement
4	Organisation Behaviour & HRM	4	Conflict & Negotiation
<i>Note: Group in Semester III will continue in</i>			

Note: Group in Semester III will continue in

TYBMS

(To be implemented from Academic Year - 2018-2019)

No.of Courses	Semester V	No.of Courses	Semester VI
1	Elective Courses (EC)	1	Elective Courses (EC)
1,2,3&4	*Any four courses from the following list of the courses	1,2,3&4	**Any four courses from the following list of the courses
2	Core Courses (CC)	2	Core Courses (CC)
5	Logistics & Supply Chain Management	5	Operation Research
3	Ability Enhancement Course (AEC)	3	Ability Enhancement Course (AEC)
6	Corporate Communication & Public Relations	6	Project Work

ü **Note:** Project work is considered as a special course involving application of knowledge in solving / analyzing / exploring a real life situation / difficult problem. Project work would be of 04 credits. A project work may be undertaken in any area of Elective Courses / study area selected

*List of group of Elective Courses (EC) for Semester V (Any four)		**List of group of Elective Courses (EC) for Semester VI (Anyfour)	
Group A: Finance Electives			
1	Investment Analysis & Portfolio Management	1	International Finance
2	Commodity & Derivatives Market	2	Innovative Financial Services
3	Wealth Management	3	Project Management
4	Financial Accounting	4	Strategic Financial Management
5	Risk Management	5	Financing Rural Development
6	Direct Taxes	6	Indirect Taxes
Group B : Marketing Electives			
1	Services Marketing	1	Brand Management
2	E- Commerce & Digital Marketing	2	RetailManagement
3	Sales & Distribution Management	3	International Marketing
4	Customer Relationship Management	4	Media Planning & Management
5	Industrial Marketing	5	Sports Marketing
6	Strategic Marketing Management	6	Marketing of Non Profit Organisation
GroupC : Human Resource Electives			
1	Finance or HR Professionals & Compensation Management	1	HRM in Global Perspective
2	Strategic Human Resource Management & HR Policies	2	Organisational Development
3	Performance Management & Career Planning	3	HRM in Service Sector Management
4	Industrial Relations	4	Workforce Diversity
5	Talent & Competency Management	5	Human Resource Accounting & Audit
6	Stress Management	6	Indian Ethos in Management

Note: Group selected in Semester III will continue in Semester V & Semester VI

***Subjects are liable to change as per University of Mumbai Syllabus.**

Board of Studies-in- Business Management, University of Mumbai

B.M.S.

ADMISSION ELIGIBILITY (0.3941, No.UG/80of2010)

A candidate for being eligible for admission to the B. M. S. Degree Course shall have passed H. S. C. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent examination or Diploma in any Engineering branches with two years or three years duration after s. s. c. conducted by the Board of Technical Education, Maharashtra State or its equivalent examination by securing minimum 45% marks for general category (in one attempt) at the respective Examination and minimum 40% marks for the reserved category (in one attempt).

No college shall conduct any entrance test in any form and the admissions are purely based on merit duly following the policy as per the norms of Government of Maharashtra. While drawing the merit list, weightage has to be given to students from Arts, Commerce and Science Stream at 12th standard level. The stream wise weightage to be given is as under:

Stream	Commerce	Arts	Science	Diploma in Engineering and Other
Percentage	45%	25%	25%	5%

The applications are to be accepted and processed by the colleges stream wise separately and the merit list is to be displayed stream wise taking into account the reservation policy prescribed by the Government of Maharashtra.

- (a) The merit list is to be prepared and displayed stream wise.
- (b) In case if no applications are received under the "Diploma in Engineering and other Category" or if the seats remain vacant in "Diploma in Engineering and other Category" after all the merit lists/forms are exhausted, the vacant seats must be transferred to Commerce Stream.
- (c) In case if no application is received from any stream the vacant seats are to be distributed equally between the remaining two streams only..
- (d) After the first merit list is displayed, if any seat allotted to one stream remains vacant, the same shall be distributed equally between the remaining two streams. In case of vacancy in one stream is of single/odd number of seats, the single seat is to be allotted to the Commerce Stream. In case if no applications are available from the two streams, then all the vacant seats of such two streams must be transferred to the third stream.
- (e) Step (d) be repeated for the subsequent merit lists till all the forms are exhausted or the final merit list is displayed, whichever is earlier.

B.Sc.(InformationTechnology)

CourseStructure

Six Semester (ThreeYears) Course Leading to Bachelor of Science Degree Course in Information Technology

Under Choice Based Credit, Grading and Semester System Course Structure

(To be implemented from Academic Year-2016-2017)

F.Y.B.Sc.IT

Semester - I		
No. of Courses	Course Type	Course Title
01	Core Subject	Imperative Programming
02	Core Subject	Digital Electronics
03	Core Subject	Operating Systems
04	Core Subject	Discrete mathematics
05	Ability Enhancement Skill Course	Communication Skill
P1	Core Subject Practical	Imperative Programming Pratical
P2	Core Subject Practical	Digital Electronics Practical
P3	Core Subject Practical	Operating Systems Practical
P4	Core Subject Practical	Discrete Mathematics Practical
P5	Ability Enhancement Skill Course Practical	Communication Skill Practical

Semester - II		
No. of Courses	Course Type	Course Title
01	Core Subject	Object Oriented Programming
02	Core Subject	Microprocessor Architecture
03	Core Subject	Web Programming
04	Core Subject	Numerical And Statistical Methods
05	Ability Enhancement Skill Course	Green Computing
P1	Core Subject Practical	Object Oriented Programming Practical
P2	Core Subject Practical	Microprocessor Architecture Practical
P3	Core Subject Practical	Web Programming Practical
P4	Core Subject Practical	Numerical And Statistical Methods Practical
P5	Ability Enhancement Skill Course Practical	Green Computing Pratical

S.Y.B.Sc.IT

Semester - III		
No. of Courses	Course Type	Course Title
01	Skill Enhancement Course	Python Programming
02	Core Subject	Data Structures
03	Core Subject	Computer Networks
04	Core Subject	Database Management Systems
05	Core Subject	Applied Mathematics
P1	Skill Enhancement Course Practical	Python Programming Practical
P2	Core Subject Practical	Data Structures Practical
P3	Core Subject Practical	Computer Networks Practical
P4	Core Subject Practical	Database Management Systems Practical

Semester - IV		
No. of Courses	Course Type	Course Title
01	Skill Enhancement Course	Core Java
02	Core Subject	Introduction to Embedded Systems
03	Core Subject	Computer Oriented Statistical Techniques
04	Core Subject	Software Engineering
05	Core Subject	Computer Graphics and Animation
P1	Skill Enhancement Course Practical	Computer Graphics and Animation
P2	Core Subject Practical	Introduction to Embedded Systems Practical
P3	Core Subject Practical	Computer Oriented Statistical Techniques Practical
P4	Core Subject Practical	Software Engineering Practical
P1	Core Subject Practical	Computer Graphics and Animation Practical

T.Y.B.Sc.IT

Semester – 5		
Course Code	Course Type	Course Title
USIT501	Skill Enhancement Course	Software Project Management
USIT502	Skill Enhancement Course	Internet of Things
USIT503	Skill Enhancement Course	Advanced Web Programming
USIT504	Discipline Specific Elective (Any One)	Artificial Intelligence
USIT505		Linux System Administration
USIT506	Discipline Specific Elective (Any One)	Enterprise Java
USIT507		Next Generation Technologies
USIT5P1	Skill Enhancement Course Practical	Project Dissertation
USIT5P2	Skill Enhancement Course Practical	Internet of Things Practical
USIT5P3	Skill Enhancement Course Practical	Advanced Web Programming Practical
USIT5P4	Discipline Specific Elective Practical (Any One)*	Artificial Intelligence Practical
USIT5P5		Linux Administration Practical
USIT5P6	Discipline Specific Elective Practical (Any One)*	Enterprise Java Practical
USIT5P7		Next Generation Technologies Practical

Semester – 6		
Course Code	Course Type	Course Title
USIT601	Skill Enhancement Course	Software Quality Assurance
USIT602	Skill Enhancement Course	Security in Computing
USIT603	Skill Enhancement Course	Business Intelligence
USIT604	Discipline Specific Elective (Any One)	Principles of Geographic Information Systems
USIT605		Enterprise Networking
USIT606	Discipline Specific Elective (Any One)	IT Service Management
USIT607		Cyber Laws
USIT6P1	Skill Enhancement Course Practical	Project Implementation
USIT6P2	Skill Enhancement Course Practical	Security in Computing Practical
USIT6P3	Skill Enhancement Course Practical	Business Intelligence Practical
USIT6P4	Discipline Specific Elective Practical (Any One)*	Principles of Geographic Information Systems Practical
USIT6P5		Enterprise Networking Practical
USIT6P6	Skill Enhancement Course Practical	Advanced Mobile Programming

ADMISSIONELIGIBILITY (0.5051, No. UG./ 283 of 2007)

- (a) A Candidate for being eligible for admission to the degree course of Bachelor of Science Information Technology, shall have passed XII standard examination of the Maharashtra Board of Higher Secondary Education or it's equivalent with Mathematic and statistics as one of the subject and should have secured not less than 45% marks in aggregate for open category and 40% marks in aggregate in case of Reserved category candidates.
- (b) Candidate who have passed Diploma (Three years after S. S. C.-Xth std.) in Information Technology/Computer Technology/Computer Engineering / Computer Science/Electrical, Electronics and Video Engineering and Allied Branches / Mechanical and Allied Branches/Civil and Allied branches are eligible for direct admission to the Second Year of the B. Sc. (I. T.) degree course.

However the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body. Minimum marks required 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.

OR

Candidates with post HSC-Diploma in Information Technology/Computer Technology/Computer Engineering/Computer Science/and Allied branches will be eligible for direct admission to the Second Year of B. Sc. (I. T.). However* the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body Minimum Marks required 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.

B.Sc.(ComputerScience)

Six Semester (ThreeYears) course leading to Bachelor of Science Degree in Computer Science

F.Y.B.Sc. Computer Science Syllabus
Credit Based System and Grading System
Academic year 2016 - 2017

Semester – I				
Course Code	Course Type	Course Title	Credits	Lectures/Week
USCS101	Core Subject	Computer Organization and Design	2	3
USCS102	Core Subject	Programmingwith Python I	2	3
USCS103	Core Subject	Free and Open Source Software	2	3
USCS104	Core Subject	Database Systems	2	3
USCS105	Core Subject	Discrete Mathematics	2	3
USCS106	Core Subject	Descriptive Statisticsand Introduction to Probability	2	3
USCS107	Ability Enhancement Course 1	Soft Skills Development	2	3
USCSP01	Core Subject Practical	Practical of USCS101 + USCS102 + USCS103+USCS104+USCS105+USCS106	6	18

Semester – II				
Course Code	Course Type	Course Title	Credits	Lectures/Week
USCS201	Core Subject	Programming with C	2	3
USCS202	Core Subject	Programmingwith Python- II	2	3
USCS203	Core Subject	Linux	2	3
USCS204	Core Subject	Data Structures	2	3
USCS205	Core Subject	Calculus	2	3
USCS206	Core Subject	Statistical Methodsand Testing of Hypothesis	2	3
USCS207	Ability Enhancement Course 2	Green Technologies	2	3
USCSP02	Core Subject Practical	Practical of USCS201 + USCS202 + USCS203+USCS204+USCS205+USCS206	6	18

**Subjects are liable to change as per University of Mumbai Syllabus.*

S.Y.B.Sc.CS

S.Y.B.Sc. Computer Science Syllabus
Credit Based Semester and Grading System
To be implemented from the Academic year 2017 - 2018

SEMESTER III			
Course	TOPICS	Credits	L / Week
USCS301	Theory of Computation	2	3
USCS302	Core JAVA	2	3
USCS303	Operating System	2	3
USCS304	Database Management Systems	2	3
USCS3 05	Combinatorics and Graph Theory	2	3
USCS3 06	Physical Computing and IoT Programming	2	3
USCS3 07	Skill Enhancement Web Programming	2	3
USCS P 301	USCS302+USCS303 +USCS30 4	3	9
USCS P 302	USCS305 +USCS30 6+USCS30 7	3	9

SEMESTER IV			
Course	TOPICS	Credits	L / Week
USCS401	Fundamentals of Algorithms	2	3
USCS402	Advanced JAVA	2	3
USCS403	Computer Networks	2	3
USCS404	Software Engineering	2	3
USCS405	Linear Algebra using Python	2	3
USCS406	.NET Technologies	2	3
USCS407	Skill Enhancement: Android Developer Fundamentals	2	3
USCSP401	USCS401+USCS402+ USCS403	3	9
USCSP402	USCS405+ USCS406+USCS407	3	9

T.Y.B.Sc.CS

T.Y.B.Sc. Computer Science Syllabus Credit Based System and Grading System Academic year 2018 - 2019

SEMESTER V			
Course	TOPICS	Credits	L / Week
	Elective - I (Select Any Two)		
USCS501	Artificial Intelligence	3	3
USCS502	Linux Server Administration	3	3
USCS503	Software Testing and Quality Assurance	3	3
	Elective - II (Select Any Two)		
USCS504	Information and Network Security	3	3
USCS505	Architecting of IoT	3	3
USCS506	Web Services	3	3
	Skill Enhancement		
USCS507	Game Programming	2	3
	Practical		
USCSP501	Practical of Elective - I	2	6
USCSP502	Practical of Elective -II	2	6
USCSP503	Project Implementation	1	3
USCSP504	Practical of Skill Enhancement :USCS507	1	3

SEMESTER VI			
Course	TOPICS	Credits	L / Week
	Elective - I (Select Any Two)		
USCS601	Wireless Sensor Networks and Mobile Communication	3	3
USCS602	Cloud Computing	3	3
USCS603	Cyber Forensics	3	3
	Elective - II (Select Any Two)		

USCS604	Information Retrieval	3	3
USCS605	Digital Image Processing	3	3
USCS606	Data Science	3	3
	Skill Enhancement		
USCS607	Ethical Hacking	2	3
	Practical		
USCSP601	Practical of Elective - I	2	6
USCSP602	Practical of Elective - II	2	6
USCSP603	Project Implementation	1	3
USCSP604	Practical of Skill Enhancement : USCS607	1	3

**Subjects are liable to change as per University of Mumbai Syllabus.*

ADMISSION ELIGIBILITY (0.5719, No.UG./284 of 2007)

A candidate for being eligible for admission to the three years integrated course leading to the degree of Bachelor of Science (B.Sc.) must have passed Higher Secondary School Certificate Examination (Std. XII) in Science stream conducted by the Maharashtra State Board of Secondary and Higher Secondary Education with Mathematics and Statistics as one of the subject or its equivalent.

Admission will be on merit, based on order of preference as follows:

1. Aggregate Marks at H.S.C. or equivalent.
2. Aggregate Marks in Science Group (Physics, Chemistry and Mathematics).
3. Marks in Mathematics and Statistics and Physics.
4. Marks in Mathematics and Statistics.

B.Sc.(Maths,Physics,Chemistry&Biology)

SixSemester(ThreeYears)courseleadingtoBachelorofScienceDegree

F.Y.B.Sc

NOTE : Group and Subject choice is according to merit. (aggregate of H. s. c. Marks In addition to the compulsory paper of Foundation course paper-I (social awareness, Personality Development and Communication Skills) of 100 marks a student must choose ONE of the following group of subjects offered by the college :-

NO OF COURSES	SEM I	NO OF COURSES	SEM II
1	CLASSICAL PHYSICS	1	MATHEMATICAL PHYSICS
2	MODERN PHYSICS	2	ELECTRICITY AND ELECTRONICS
3	PHYSICS PRACTICAL 1	3	PHYSICS PRACTICAL-II
4	CHEMISTRY-1	4	CHEMISTRY-1
5	CHEMISTRY-II	5	CHEMISTRY-II
6	CHEMISTRY-PRACTICAL 1	6	CHEMISTRY-PRACTICAL II
7	CALCULUS-1	7	CALCULUS-II
8	ALGEBRA-1	8	ALGEBRA-II
9	BOTANY PAPER I(PLANT DIVERSITY I)	9	BOTANY PAPER I(PLANT DIVERSITY I)
10	BOTANY PAPER II(FORMS AND FUNCTION I)	10	BOTANY PAPER II(FORMS AND FUNCTION I)
11	BOTANY PRACTICAL-I	11	BOTANY PRACTICAL-II
12	ZOOLOGY PAPER I (COURSE I)	12	ZOOLOGY PAPER I (COURSE I)
13	ZOOLOGY PAPER II (COURSE II)	13	ZOOLOGY PAPER II (COURSE II)
14	ZOOLOGY PRACTICAL I	14	ZOOLOGY PRACTICAL II
15	FUNDAMMENTAL OF MICROBIOLOGY	15	BASICS OF MICROBIOLOGY
16	BASIC TECHNIQUES IN MICROBIOLOGY	16	EXPLORING MICROBIOLOGY
17	MICROBIOLOGY PRACTICAL 1	17	MICROBIOLOGY PRACTICAL II
18	FOUNDATION COURSE-1	18	FOUNDATION COURSE-II

NOTE : Group and Subject choice is according to merit. In addition to the compulsory paper of Foundation course paper-I (Social awareness, Personal Development and Communication Skills) of 100 marks a student must choose one of the following group of subjects offered by the college

S.Y.B.Sc

NO OF COURSES	SEM III	NO OF COURSES	SEM IV
1	VECTOR CALCULUS & ANALOG ELECTRONICS	1	OPTICS AND DIGITAL ELECTRONICS
2	MECHANICS AND THERMODYNAMICS	2	QUANTUM MECHANICS
3	APPLIED PHYSICS-I	3	APPLIED PHYSICS-II
4	PHYSICS PRACTICAL-III	4	PHYSICS PRACTICAL-IV
5	CHEMISTRY-1	5	CHEMISTRY-1
6	CHEMISTRY-II	6	CHEMISTRY-II
7	CHEMISTRY-III	7	CHEMISTRY-III
8	CHEMISTRY-PRACTICAL III	8	CHEMISTRY-PRACTICAL IV
9	FOUNDATION COURSE-III	9	FOUNDATION COURSE-IV
10	CALCULUS III	10	CALCULUS IV
11	ALGEBRA III	11	ORDINARY DIFFERENTIAL EQUATIONS
12	INTRODUCTION TO COMPUTING AND PROBLEM SOLVING - I	12	INTRODUCTION TO COMPUTING AND PROBLEM SOLVING - II
13	MATHS PRACTICALS III	13	MATHS PRACTICALS IV
14	BOTANY PAPER I(PLANT DIVERSITY II)	14	BOTANY PAPER I(PLANT DIVERSITY II)
15	BOTANY PAPER II(FORMS AND FUNCTION II)	15	BOTANY PAPER II(FORMS AND FUNCTION II)
16	BOTANY PAPER III(CURRENT TRENDS IN PLANT SCIENCES I)	16	BOTANY PAPER III(CURRENT TRENDS IN PLANT SCIENCES I)
17	BOTANY PRACTICAL-III	17	BOTANY PRACTICAL-IV
18	ZOOLOGY PAPER I (COURSE I)	18	ZOOLOGY PAPER I (COURSE I)
19	ZOOLOGY PAPER II (COURSE II)	19	ZOOLOGY PAPER II (COURSE II)
20	ZOOLOGY PAPER III (COURSE III)	20	ZOOLOGY PAPER III (COURSE III)
21	ZOOLOGY PRACTICAL III	21	ZOOLOGY PRACTICAL IV
22	BIOMOLECULES AND MICROBIAL TAXONOMY	22	METABOLISM & BASIC ANALYTIC TECHNIQUES
23	ENVIRONMENTAL MICROBIOLOGY	23	APPLIED MICROBIOLOGY
24	INTRODUCTION TO CLINICAL MICROBIOLOGY	24	FERMENTED FOOD, FOOD SANITATION AND MICROBIAL ECOLOGY
25	MICROBIOLOGY PRACTICAL III	25	MICROBIOLOGY PRACTICAL IV

T.Y.B.Sc

NO OF COURSES	SEM V	NO OF COURSES	SEM VI
Sr No	PHYSICS	Sr No	PHYSICS
	COMPULSORY PAPERS		COMPULSORY PAPERS
1	MATHEMATICAL , THERMAL, AND STATISTICAL PHYSICS (USPH 501)	1	CLASSICAL MECHANICS (USPH601)
2	SOLID STATE PHYSICS (USPH 502)	2	ELECTRONICS (USPH602)
3	ATOMIC AND MOLECULAR PHYSICS (USPH 503)	3	NUCLEAR PHYSICS (USPH603)
4	ELECTRODYNAMICS (USPH 504)	4	SPECIAL THEORY OF RELATIVITY (USPH604)
	PRACTICAL		PRACTICAL
1	USPHP05	1	USPHP07
2	USPHP06	2	USPHP08
	APPLIED COMPONENT		APPLIED COMPONENT
1	ELECTRONIC INSTRUMENTATION (USACE 1501) + (USACE 15P1)	1	ELECTRONIC INSTRUMENTATION (USACE 1601) + (USACE 16P1)
2	COMPUTER SCIENCE (USACCS 501) + (USACCS 5P1)	2	COMPUTER SCIENCE (USACCS 601) + (USACCS 6P1)
	CHEMISTRY		CHEMISTRY
	COMPULSORY PAPERS		COMPULSORY PAPERS
1	PHYSICAL CHEMISTRY (USCH 501)	1	PHYSICAL CHEMISTRY (USCH 601)
2	INORGANIC CHEMISTRY (USCH 502)	2	INORGANIC CHEMISTRY (USCH 602)
3	ORGANIC CHEMISTRY (USCH 503)	3	ORGANIC CHEMISTRY (USCH 604)
4	ANALYTICAL CHEMISTRY (USCH 504)	4	ANALYTICAL CHEMISTRY (USCH 604)
	PRACTICAL		PRACTICAL
1	USCHP05	1	USCHP05
2	USCHP06	2	USCHP06
	APPLIED COMPONENT		APPLIED COMPONENT
1	DRUGS AND DYES (USACDD501) +(USACHDD5P1)	1	DRUGS AND DYES (USACDD601) +(USACHDD6P1)
2	HEAVY AND FINE CHEMICALS (USACHFC501)+(USACHFC5P1)	2	HEAVY AND FINE CHEMICALS (USACHFC601)+(USACHFC6P1)
	MATHEMATICS		MATHEMATICS
	COMPULSORY PAPERS		COMPULSORY PAPERS
1	INTEGRAL CALCULUS (USMT 501)	1	REAL AND COMPLEX ANALYSIS (USMT 601)
2	LINEAR ALGEBRA (USMT502)	2	ALGEBRA (USMT602)
3	TOPOLOGY OF MATRIX SPACE (USMT503)	3	METRIC TOPOLOGY (USMT603)
	ELECTIVE PAPERS		ELECTIVE PAPERS
1	NUMERICAL ANALYSIS (USMT5A4)	1	NUMERICAL ANALYSIS (USMT6A4)
2	NUMBER THEORY AND APPLICATION (USMT5B4)	2	NUMBER THEORY AND APPLICATION (USMT6B4)
3	GRAPH THEORY (USMT5C4)	3	GRAPH THEORY (USMT6C4)
4	BASIC CONCEPT OF PROBABILITY AND RANDOM VARIABLE (USMT5D4)	4	BASIC CONCEPT OF PROBABILITY AND RANDOM VARIABLE (USMT6D4)
	APPLIED COMPONENT		APPLIED COMPONENT
1	COMPUTER PROGRAMMING AND SYSTEM ANALYSIS (USACCS501)	1	COMPUTER PROGRAMMING AND SYSTEM ANALYSIS (USACCS601)
2	USACCS5P1	2	USACCS6P1
	PRACTICAL		PRACTICAL
1	USMTP05	1	USMTP07

	MICROBIOLOGY		MICROBIOLOGY
1	MICROBIAL GENETICS	1	RDNA TECHNOLOGY, BIOINFORMATICS & VIROLOGY
2	MEDICAL MICROBIOLOGY & IMMUNOLOGY (PART-1)	2	MEDICAL MICROBIOLOGY & IMMUNOLOGY : PART II
3	MICROBIAL BIOCHEMISTRY (PART-1)	3	MICROBIAL BIOCHEMISTRY : PART II
4	BIOPROCESS TECHNOLGY & ENVIRO	4	APPLIED AND INDUSTRIAL MICROBIOLOGY
5	MICROBIOLOGY PRACTICAL-V	5	MICROBIOLOGY PRACTICAL-VI
	BOTANY		BOTANY
1	BOTANY PAPER I(PLANT DIVERSITY III)	1	BOTANY PAPER I(PLANT DIVERSITY III)
2	BOTANY PAPER I(PLANT DIVERSITY IV)	2	BOTANY PAPER I(PLANT DIVERSITY IV)
3	BOTANY PAPER II(FORMS AND FUNCTION III)	3	BOTANY PAPER II(FORMS AND FUNCTION III)
4	BOTANY PAPER III(CURRENT TRENDS IN PLANT SCIENCES II)	4	BOTANY PAPER III(CURRENT TRENDS IN PLANT SCIENCES II)
5	BOTANY PRACTICAL-IV	5	BOTANY PRACTICAL-IV
	ZOOLOGY		ZOOLOGY
1	ZOOLOGY PAPER I (COURSE I)	1	ZOOLOGY PAPER I (COURSE I)
2	ZOOLOGY PAPER II (COURSE II)	2	ZOOLOGY PAPER II (COURSE II)
3	ZOOLOGY PAPER III (COURSE III)	3	ZOOLOGY PAPER III (COURSE III)
4	ZOOLOGY PAPER IIII (COURSE IIII)	4	ZOOLOGY PAPER IIII (COURSE IIII)
5	ZOOLOGY PRACTICAL V	5	ZOOLOGY PRACTICAL VI

**Subjects are liable to change as per University of Mumbai Syllabus.*

B.A.M.M.C

Course Structure

Six Semester (Three Years) Course Leading to Bachelor of Management Studies (B.M.M) Degree
Under Choice Based Credit, Grading and Semester System Course Structure

LIST OF SUBJECTS FOR B.A.M.M.C

Class	Semester	Sub Code	Subject
FYBAMMC	I	BAMMECS-101	Effective Communication Skills -I
		BAMMMFC-102	Foundation Course-I
		BAMMFMS-103	Fundamental of Mass Communications
		BAMMVC-104	Visual Communivcations
		BAMMCA-105	Current Affairs
		BAMMHM-106	History of Media
	II	BAMMECS-201	Effective Communication Skills -II
		BAMMMFC-202	Foundation Course-II
		BAMMCW-203	Content Writing
		BAMMID-204	Inroduction to Advertising
		BAMMIJ-205	Introduction to Journalism
		BAMMMGC-206	Media,Gender &Culture
SYBAMMC	III	BAMMC TMC-3012	Theatre and Mass Communication
		BAMMC CCPR-302	Corporate Communication and Public Relations
		BAMMC MS-303	Media Studies
		BAMMC IP-304	Introduction to Photography
		BAMMC FCO-305	Film Communication
		BAMMC CMM-306	Computer and Multimedia
	IV	BAMMC TMC-4012	Theatre and Mass Communication II
		BAMMC WEM-402	Writing and Editing for Media
		BAMMC MLE-403	Media Law and Ethics
		BAMMC MMR-404	Mass Media Research
		BAMMC FCO-405	Film Communication II
		BAMMC CMM-406	Computer and Multimedia II
TYBMM	V	<u>Advertising Specialization</u>	
		27303	Copy Writing
		27309	Media Planning and Buying
		27307	Consumer Behaviour
		27301	Advertising in Contemporary Society
		27306	Brand Building
		UBMMA505	Advertising Design (Project Paper)
		<u>Journalism Specialization</u>	
		27302	Reporting
		27304	Editing
		27305	Feature and Opinion
		27308	Journalism & Public Opinion
		27310	Indian Regional Journalism
		UBMMJ506	Newspaper & Magazine Making (Project Paper)
	VI	<u>Advertising Specialization</u>	
		55609	Principles & Practices of Direct Marketing
		55605	Financial Management for Marketing and Advertising
		55601	Advertising and Marketing Research
		55603	Legal Environment and Advertising Ethics
		55611	Contemporary Issues
		55613	Digital Media
		55607	Agency Management
		<u>Journalism Specialization</u>	
		55602	Press Laws and Ethics
		55604	Broadcast Journalism
		55606	Business and Magazine Journalism
		55608	Internet and Issues of Global Media
		55610	News Media Management
		55612	Contemporary Issues
		55614	Digital Media

**Subjects are liable to change as per University of Mumbai Syllabus.*

ADMISSION ELIGIBILITY (0.2138) for BAMMC and B.A

Candidates for being eligible for admission to the three-year integrated course leading to the Degree of Bachelor of Mass Media, shall be required to have passed the Higher Secondary School Certificate

Examination(Academic or Vocational Stream) conducted by different Divisional Boards of Maharashtra State Board of Secondary and Higher Secondary Education or an Examinations of any another University or Body recognized as equivalent thereof by the Senate of the University of Mumbai.

B.A

(English Ancillary, Economics & History)

Six Semester (Three-year)course leading to the Degree of Bachelor of Arts

LIST OF SUBJECTS FOR B.A

F.Y.B.A.

At the first year B. A. level, students have to offer Six papers of 100 markseach (Total 600 marks). The college offers the following subjects:

Compulsory Papers

A. Compulsory Papers:

1. Foundation Course
2. Eng lish (Communication Skills)
3. Hindi

B. AncillaryGroup– SocialScience: (three subjects)

4. Economics PaperI
5. English Paper I
6. History Paper I

S.Y.B.A.

Students have to offer 8 papers of 100 marks each (Total 800 marks).TheCollege offersthef ollowingsubjects:-

1. Foundation Course Paper – II : Science & Scientific Method, The Dynamics of Science & Technology.

- 2.Any one of the following Applied Component subjects (onepaper)

- a)Demography
- b)Business Communication
- c) Book Keeping and Accountancy

3. Three Ancillary Subjects (Two papers of 100 marks in each subject)

- i) Economics Paper II, Paper III
- ii) Eng lish Paper II, Paper III
- iii) History Paper II, Paper III

T.Y.B.A.

At T.Y.B.A., the students have to offer six papers of 100 marks each (total600 marks) or three papers of two subjects opted in SYBA.

**Subjects are liable to change as per University of Mumbai Syllabus.*

Eligibility and ATKT rules for each Semester of B.Com, Bcom, A&F, BMS, BAMMC and B.A

Program	Semester wise Eligibility and ATKT criteria (R.8438)	
	A learner shall be allowed to be admitted to	
1. B.Com 2. B.Com in Accounting and Finance 3. B.M.S. 4. B.M.M 5. B.A	Semester II	if he/she has passed in Semester I in full. OR Is Allowed To Keep Term(ATKT) in Semester II irrespective of the number of courses failed in Semester I
	Semester III	if he/she has passed Semester I and II in full. OR Has secured ATKT by failing in not more than TWO Courses in each of Semester I and Semester II
	Semester IV	Same as Semester III AND Shall have passed in Semester III in full OR Is Allowed To Keep Term(ATKT) in Semester IV irrespective of the number of courses failed in Semester III
	Semester V	Shall have passed Semester I, II, III and IV in full OR Shall have passed Semester I and II in full and secured ATKT in the Second year by failing in not more than TWO Courses in each of Semester III and Semester IV OR Shall have passed Semester III and Semester IV in full and secured ATKT in First Year by failing in not more than TWO Courses in each of Semester I and Semester II
	Semester VI	Same as Semester V AND Shall have passed in Semester V in full OR Is Allowed To Keep Term(ATKT) in Semester VI irrespective of the number of courses failed in Semester V The learner can appear for the semester VI examination but the result of Semester VI shall be kept in abeyance by the University until the learner passes each of Semester I, Semester II, Semester III, Semester IV and Semester V.

Eligibility and ATKT rules for each Semester of B.Sc Information Technology

Program	Semester wise Eligibility and ATKT criteria (R.8438)	
	A learner shall be allowed to be admitted to	
B.Sc. Information Technology (B.Sc. with less than 900 marks)	Semester II	if he/she has passed in Semester I in full. OR Is Allowed To Keep Term(ATKT) in Semester II irrespective of the number of courses failed in Semester I
	Semester III	if he/she has passed Semester I and II in full. OR Has secured ATKT by failing in not more than THREE Courses with not more than 200 marks in each of Semester I and Semester II
	Semester IV	Same as Semester III AND Shall have passed in Semester III in full OR Is Allowed To Keep Term(ATKT) in Semester IV irrespective of the number of courses failed in Semester III
	Semester V	Shall have passed Semester I, II, III and IV in full OR Shall have passed Semester I and II in full and secured ATKT in the Second year by failing in not more than TWO Courses with not more than 200 marks in each of Semester III and Semester IV OR Shall have passed Semester III and Semester IV in full and secured ATKT in First Year by failing in not more than THREE Courses with not more than 300 in each of Semester I and Semester II
	Semester VI	Same as Semester V AND Shall have passed in Semester V in full OR Is Allowed To Keep Term(ATKT) in Semester VI irrespective of the number of courses failed in Semester V The learner can appear for these semester VI examination but the result of Semester VI shall be kept in abeyance until the learner passes each of Semester I, Semester II, Semester III, Semester IV and Semester V.

Eligibility and ATKT rules for each Semester of
B.Sc Computer Science program

Program	SemesterwiseEligibilityandATKTcriteria(R.8438)	
	Alearnershallbeallowedtobeadmittedto	
1.B.Sc. Computer Science (BSewith 900 or more marks)	Semester II	if he/she has passed in Semester I in full. OR Is Allowed To Keep Term(ATKT) in Semester II irrespective of the number of courses failed in Semester I
	Semester III	if he/she has passed Semester I and II in full. OR Has secured ATKT by failing in not more thanTHREE Courses in each of Semester I and Semester II
	Semester IV	Same as Semester III AND Shall have passed in Semester III in full OR Is Allowed To Keep Term(ATKT) in Semester IV irrespective of the number of courses failed in Semester III
	Semester V	Shall have passed Semester I, II, III and IV in full OR Shall have passed Semester I and II in full and secured ATKT in the Second year by failing in not more than TWO Courses in each of Semester III and Semester IV OR Shall have passed Semester III and Semester IV in full and secured ATKT in First Year by failing in not more than THREE Courses in each of Semester I and Semester II
	Semester VI	Same as Semester V AND Shall have passed in Semester V in full OR Is Allowed To Keep Term(ATKT) in Semester VI irrespective of the number of courses failed in Semester V The learner can appear for the semester VI examination but the result of Semester VI shall be kept in abeyance by the University until the learner passes each of Semester I, Semester II, Semester III, Semester IV and Semester V.

Eligibility and ATKT rules for each Semester of
B.Sc (Maths, Chemistry, Physics & Biology)

Program	SemesterwiseEligibilityandATKTcriteria(R.8438)	
	Alearnershallbeallowedtobeadmittedto	
B.Sc. General	SemesterII	if he/she has passed in Semester I in full. OR Is Allowed To Keep Term(ATKT) in Semester II irrespective of the number of courses failed in Semester I
	SemesterIII	if he/she has passed Semester I and II in full. OR HassecuredATKTbyfailinginnotmorethanTHREECoursesineachof Semester I and Semester II
	SemesterIV	Same as Semester III AND Shall have passed in Semester III in full OR Is Allowed To Keep Term(ATKT) in Semester IV irrespective of the number of courses failed in Semester III
	SemesterV	Shall have passed Semester I, II, III and IV in full OR Shall have passed Semester I and II in full and secured ATKT in the Second year by failing in not more than TWO Courses in each of Semester III and Semester IV OR Shall have passed Semester III and Semester IV in full and secured ATKT in First Year by failing in not more than THREE Courses in each of Semester I and Semester II
	SemesterVI	Same as Semester V AND Shall have passed in Semester V in full OR Is Allowed To Keep Term(ATKT) in Semester VI irrespective of the number of courses failed in Semester V The learner can appear for the semester VI examination but the result of Semester VI shall be kept in abeyance by the University until the learner passes each of Semester I, SemesterII, SemesterIII, Semester IV and Semester V.

M.Sc.(InformationTechnology)

Course Structure

Four Semester (Two Years) Course Leading to Masters of Science Degree in Information Technology

M.Sc.IT

S-II b_{3.1}) M.Sc. - Information Technology First Year: Semester I and II

i. Eligibility

a) Semester I

The learner for being eligible for admission to the M.Sc. - Information Technology Semester I must have passed the B.Sc. degree programme of University of Mumbai or any other University recognized as equivalent thereto with the following combination of subjects -

The B.Sc. (Computer Science) / B.C.S. / B.Sc. (Information Technology) degree programme.

OR

The B.Sc. (Mathematics) degree programme.

OR

The B.Sc. (Physics) degree programme.

OR

The B.Sc. (Statistics) degree programme.

OR

The B.Sc. (Electronics) degree programme.

OR

The Bachelor of Engineering (B.E.) degree programme.

The learner will be admitted to the M.Sc. degree programme in Information Technology must have passed Bachelor's Degree Examination with minimum 45% marks in aggregate.

(Extract of Circular No.- PG / Univ. / VCD / ICC / 2012-13 / 8, Dated May 19, 2012)

b) Semester II

A learner is eligible to be admitted to Semester II irrespective of number of heads of failure in the Semester I.

Semester I

Sub Code	Subject	Subject Credit
94727	Research in Computing	4
94728	Data Science	4
94729	Cloud Computing	4
94730	Soft Computing Techniques	4
PSIT1P1R	Research in Computing Practical	2
PSIT1P2R	Data Science Practical	2
PSIT1P3R	Cloud Computing Practical	2
PSIT1P4R	Soft Computing Techniques Practical	2
TOTAL		24

Semester II

Sub Code	Subject	Subject Credit
PSIT201	Big Data Analytics	4
PSIT202	Modern Networking	4
PSIT203	Microservices Architecture	4
PSIT204	Image Processing	4
PSIT2P1	Big Data Analytics Practical	2
PSIT2P2	Modern Networking Practical	2
PSIT2P3	Microservices Architecture Practical	2
PSIT2P4	Image Processing Practical	2
TOTAL		24

M.Sc.(InformationTechnology)

S-II b_{3.2}) M.Sc. - Information Technology Second Year: Semester III and IV

i. Eligibility

a) Semester III

A learner shall be allowed to keep term for Semester III notwithstanding that he / she may not have appeared for Semester I and / or Semester II Examination/s or failed in one or more courses at Semester I and / or Semester II.

b) Semester IV

1. A learner shall be allowed to keep term for Semester IV irrespective of number of courses of failure in Semester III. However learner has to pass each course of Semester I and Semester II in order to appear for Semester IV.
2. A learner can appear for Semester IV Examination but the result of Semester IV shall be kept in abeyance until the learner passes each of Semester I, Semester II and Semester III.

Semester III

Sub Code	Subject	Subject Credit
PSIT301	Technical Writing and Entrepreneurship	4
PSIT302a	Applied Artificial Intelligence	4
PSIT303a	Machine Learning	4
PSIT304a	Robotic Process Automation	4
PSIT3P1	Project Documentation and Viva	2
PSIT3P2a	Applied Artificial Intelligence Practical	2
PSIT3P3a	Machine Learning Practical	2
PSIT3P4a	Robotic Process Automation Practical	2
TOTAL		24

Semester IV

Sub Code	Subject	Subject Credit
PSIT401	Blockchain	4
PSIT402a	Natural Language Processing	4
PSIT403a	Deep Learning	4
PSIT404a	Human Computer Interaction	4
PSIT4P1	Practical	2
PSIT4P2a	Natural Language Processing Practical	2
PSIT4P3a	Deep Learning Practical	2
PSIT4P4	Project Implementation and Viva	2
TOTAL		24

M.Com. (Accountancy)

Course Structure

Four Semester (Two Years) Course Leading to Masters of Commerce Degree in Accountancy

M.Com

M.Com. - Advanced Accountancy First Year: Semester I and II

i. Eligibility

a) Semester I

A candidate for being eligible for admission to the Master of Commerce (Advanced Accountancy) Semester I, shall have passed the Examination for the degree of Bachelor of Commerce of University of Mumbai (Three years integrated programme) of the degree of B.Com. (Old programme) of University of Mumbai or Bachelor of Commerce (Accounting and Finance) or B.Com. (Banking and Insurance) or B.M.S. degree Examination or an Examination of any other University recognized as equivalent thereto.

(Extract of Circular No.- UG / 375 of 2006, Dated September 22, 2006)

b) Semester II

A learner is eligible to be admitted to Semester II irrespective of number of heads of failure in the Semester I.

Semester I (Four Subjects)

Core Courses (CC)	
1	Strategic Management
2	Economics for Business Decisions
3	Cost and Management Accounting
4	Business Ethics and Corporate Social Responsibility

Semester II (Four Subjects)

Core Courses (CC)	
1	Research Methodology for Business
2	Macro Economics Concepts and Applications
3	Corporate Finance
4	E-Commerce

M.Com. - Advanced Accountancy Second Year: Semester III and IV

i. Eligibility

a) Semester III

A learner shall be allowed to keep term for Semester III notwithstanding that he / she may not have appeared for Semester I and / or Semester II Examination/s or failed in one or more courses at Semester I and / or Semester II.

M.Com. (Accountancy)

b) Semester IV

1. A learner shall be allowed to keep term for Semester IV irrespective of number of courses of failure in Semester III. However learner has to pass each course of Semester I and Semester II in order to appear for Semester IV.
2. A learner can appear for Semester IV Examination but the result of Semester IV shall be kept in abeyance until the learner passes each of Semester I, Semester II and Semester III.

1 Elective Courses

Semester III (Four Subjects)

1 Elective Courses	
1,2 and 3	Advance Accounting, Corporate Accounting and Financial Management (Any Three)
	a Advanced Financial Accounting
	b Direct Tax
	c Advance Costing
	d Advanced Auditing
	e Financial Services
2 Project Work	
4	Project Work - I

Semester IV (Four Subjects)

1 Elective Courses	
1,2 and 3	Advance Accounting, Corporate Accounting and Financial Management (Any Three)
	a Corporate Financial Accounting
	b Indirect Tax - Introduction of Goods and Service Tax
	c Financial Management
	d International Financial Reporting Standards
	e Personal Financial Planning
2 Project Work	
4	Project Work - II

Note : Project work is considered as a special course involving application of knowledge in solving / analyzing / exploring a real life situation / difficult problem. Project work would be of 06 credits . A project work may be undertaken in any area of Elective Courses.

B.Sc. (Data Science)*Course Structure**Six Semester (Three years) Course leading to Bachelor of Science Degree Course in Data Science***F.Y.B.Sc.DS****Semester I**

Course Code	Course Name
USDS101	Descriptive Statistics
USDS1P1	Descriptive Statistics Practical
USDS102	Introduction to Programming
USDS1P2	Introduction to Programming Practical
USDS103	Web Technology
USDS1P3	Web Technology Practical
USDS104	Business Communication and Information Ethics
USDS1P4	ICT Practical
USDS105	Precalculus
USDS1P5	Precalculus Tutorials

Semester II

Course Code	Course Name
USDS201	Probability and Distributions
USDS2P1	Probability and Distributions Practical
USDS202	Database Management
USDS2P2	Database Management Practical
USDS203	R Programming
USDS2P3	R Programming Practical
USDS204	Environmental Science
USDS2P4	Project Presentation on Data Science in Environmental Science.
USDS205	Calculus
USDS2P5	Calculus Tutorials

S.Y.B.Sc.DS**Semester III**

Course Code	Course Name
USDS301	Testing of Hypothesis
USDS3P1	SPSS Practical
USDS302	Data Structures
USDS3P2	Data Structures Practical
USDS303	Microeconomics / Principles of Management
USDS3P3	Case Studies on Microeconomics
USDS304	Data Warehousing
USDS3P4	Data Warehousing Practical
USDS305	Linear Algebra and Discrete Mathematics
USDS3P5	Tutorials on Linear Algebra and Discrete Mathematics

Semester IV

Course Code	Course Name
USDS401	Optimization Techniques
USDS4P1	Optimization Techniques Practical
USDS402	Big Data
USDS4P2	Big Data Practical
USDS403	E-Commerce and Business Ethics / Fundamentals of Accounting
USDS4P3	MATLAB Practical
USDS404	Algorithms in Data Science
USDS4P4	Algorithms in Data Science Practical
USDS405	Numerical Methods
USDS4P5	Numerical Methods Practical

Eligibility for Admission

ADMISSION ELIGIBILITY

A candidate for being eligible for admission to the three years integrated course leading to the degree of Bachelor of Science(Data Science) must have passed Higher Secondary School Certificate Examination (Std. XII) in Science stream conducted by the Maharashtra State Board of Secondary and Higher Secondary Education with minimum 40%

Course Code	Course Name
USDS601	Machine Learning
USDS6P1	Machine Learning Practical
USDS602	Cloud Computing
USDS6P2	Cloud Computing Practical
USDS603	Internet of Things
USDS6P3	Internet of Things Practical
USDS604	Business Forecasting
USDS6P4	Business Forecasting Practical
Elective 2 (Select Any one of the following)	
USDS605a	Financial Analytics
USDS605b	Social Media Analytics
USDS605c	Knowledge Management
USDS605d	Data Security and Compliance
Compulsory (Project Implementation)	
USDS6P5	Project Implementation

B.Sc.(Hospitality Studies)*Course Structure**Six Semester (Three years) Course leading to Bachelor of Science Degree Course in Hospitality Studies***F.Y.B.Sc.HS****Semester I**

Course Code	Subject
USHO101	Food Production & Patisserie I
USHO102	Food & Beverage Service I
USHO103	Front Office I (pg 19)
USHO104	HousekeepingI
USHO105	Rooms Division Mgt (Practicals)-I (pg 27
USHO106	Communication Skill I (English & French)
USHO107	Information Technology
USHO108	Food Safety & Nutrition

Semester II

Course Code	Subject
USHO201	Food Production & Patisserie II
USHO202	Food & Beverage Service II
USHO203	Front Office II
USHO204	Housekeeping II
USHO205	Rooms Division Management (Practical's) II
USHO206	Communication Skill II (English & French)
USHO207	Principles of Hotel Accountancy
USHO208	Principles of Management

S.Y.B.Sc.HS**Semester III**

Course Code	Subject
USHO301	Food Production & Patisserie III
USHO302	Food & Beverage Service III
USHO303	Front Office III
USHO304	Housekeeping III
USHO305	Rooms Division Management(Practicals)-III
USHO306	Hotel Accountancy & Cost Control
USHO307	Hospitality Law & Human Resource Management
USHO308	Management Information System in Hospitality Industry

Semester IV

Course Code	Subject
USHO301	Food Production & Patisserie III
USHO302	Food & Beverage Service III
USHO303	Front Office III
USHO304	Housekeeping III
USHO305	Rooms Division Management (Practicals) -III
USHO306	Hotel Accountancy & Cost Control
USHO307	Hospitality Law & Human Resource Management
USHO308	Management Information System in Hospitality Industry

T.Y.B.Sc.HS

Semester V

Course Code	Subject
USHO501	Food Production & Patisserie
USHO502	Food & Beverage Operations Management
USHO503	Front Office (16)
USHO504	Housekeeping
USHO505	Rooms Division Management(Practical)(pg 24)
USHO506	Corporate English
USHO507	Environmental & Sustainable Tourism

Semester VI

Course Code	Subject
USHO601	Organizational Behaviour
USHO602	Strategic Management
USHO603	Event Planning, Marketing & Management
USHO604	Core Elective (Any TWO)
USHO604A	Advanced Food Production
USHO604B	Advanced Food & Beverage Operations Management
USHO604C	Advanced Housekeeping
USHO604D	Advanced Front Office(pg 29)
USHO604E	Advanced Bakery & Confectionery
USHO605	Allied Elective (Any ONE)
USHO605A	Revenue Management
USHO605B	Foreign Language (French)
USHO605C	Services Marketing
USHO605D	Financial Management
USHO605E	Strategic Human Resource Management

Eligibility for Admission

HSC or equivalent from any stream / 3 years Diploma from MSBTE or equivalent

A candidate for being eligible for admission to the Degree Course Bachelor of Science (Hospitality Studies) shall have passed XII Standard Examination in any discipline/stream of any state Board for Higher Secondary Education or its equivalent from India or abroad and secured not less than 45% marks in aggregate (44.5% to 44.99%) may be rounded off to 45% (In case of Reserved Category 40% marks in aggregate) (39.5% to 39.99% and may be rounded off to 40%).

* Subject to change as per University of Mumbai Guidelines *



Master of Science

Organic Chemistry

Eligibility:

B.Sc. with Chemistry.

Registration as postgraduate student : Every candidate admitted for M.Sc. (Organic Chemistry) will have to register as a postgraduate student of Mumbai University.

Duration of the Course: The duration of the course will be 2 years.

Awarding Authority: University Of Mumbai.

Course Details:

First Year	Second Year
Paper I: Physical Chemistry	Paper I: Physical Organic Chemistry & Photo Chemistry
Paper II: Inorganic Chemistry	Paper II: Synthetic Organic Chemistry
Paper III: Organic Chemistry	Paper III: Hetrocyclic Chemistry
Paper IV: Analytical Chemistry	Paper IV: Biogenesis & Steroid

Scheme of Evaluation:

To qualify for the award of class, a candidate must obtain at least 50% marks in the theory papers prescribed at the Part I and II of M.Sc. examinations taken together in addition to the marks prescribed for the first class and the other of passing in the concerned regulation of standard of passing

Eligibility for Admission

I) Eligibility: Student who has taken 6 units as well as 3 units of Chemistry at T. Y. B. Sc. can apply for this course. The marks only in major subjects and major practical will be considered for admission. Applied component subject marks will not be considered for the admission.

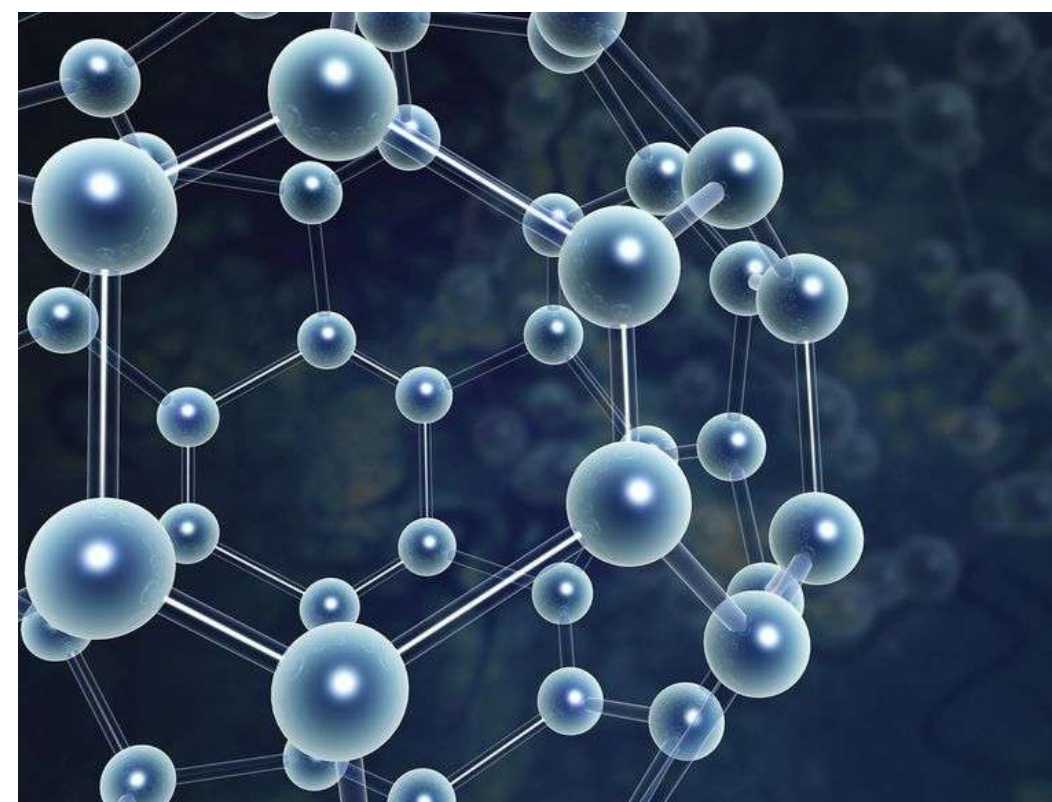
II) Career Prospects: After completing this post graduate course -

i) One can continue higher studies in the form of Ph.D.

ii) Can appear for exams like GRE and TOEFL so as to get admission in M.S. in a foreign University and then continue Ph.D.

iii) Can get career opportunities in Companies related to Chemicals, Pharmaceuticals, Fertilizers, Oil Extraction and processing Clinical Research, Soaps and detergents, Marketing, Instrumentation etc.

iv) He / She can become a Faculty / Instructor in Schools and / or Colleges.



Master of Science

Physics

Eligibility:

A candidate for being eligible for admission to the M.Sc. Degree in Physics must have passed the Bachelor of Science degree examination with Physics as the major subject, or an examination of another University recognized as equivalent there to

Duration of the Course: The duration of the course will be 2 years.

Awarding Authority: University Of Mumbai.

Semester I

M.Sc. in Physics Program for Semester-I consists of four theory courses and two practical courses. The details are as follows:

Theory Courses (4): 16 hours per week (One lecture of one hour duration)

Theory Paper	Subject Lectures
PSPH101	Mathematical Methods
PSPH102	Classical Mechanics
PSPH103	Quantum Mechanics I
PSPH104	Solid State Devices
Practical lab courses (2): 16 hours per week	
	PSPHP101
	PSPHP102

Semester II

M.Sc. in Physics Program for Semester-II consists of four theory courses and two practical courses. The details are as follows:

Theory Courses (4): 16 hours per week (One lecture of one hour duration)

Theory Paper	Subject Lectures
PSPH201	Advanced Electronics
PSPH202	Electrodynamics
PSPH203	Quantum Mechanics II
PSPH204	Solid State Physics
Practical lab courses (2): 16 hours per week	
	PSPHP201
	PSPHP202

Semester III

M.Sc. in Physics Program for Semester-III consists of four theory courses and two practical courses. The details are as follows:

Theory Courses (4): 16 hours per week (One lecture of one hour duration)

Theory Paper	Subject Lectures
PSPH301	Statistical Mechanics
PSPH302	Nuclear Physics
*	Elective Course
*	Elective Course
Practical lab courses (2): 16 hours per week	
	PSPHP201
	PSPHP202

*: To be chosen from the list below with odd-even number combination. Odd numbered course will be paper-3 and even numbered course will be paper-4.

Theory Paper	Subject Lectures
PSPHET301	Nuclear Structure
PSPHET302	Nuclear Reactions
PSPHET303	Electronic structure of solids
PSPHET304	Surfaces and Thin Films
PSPHET305	Microcontrollers and Interfacing
PSPHET306	Embedded systems and RTOS
PSPHET307	Signal Modulation and Transmission Techniques
PSPHET308	Microwave Electronics, Radar and Optical Fiber Communication
PSPHET309	Semiconductor Physics
PSPHET310	Thin Film Physics and Techniques
PSPHET311	Fundamentals of Materials Science
PSPHET312	Nanoscience & Nanotechnology
PSPHET313	Galactic & Extragalactic Astronomy
PSPHET314	Plasma Physics
PSPHET315	Group Theory
PSPHET316	Applied Thermodynamics
PSPHET317	Quantum Field Theory

Project (1): 8 hours per week

Project	Course
PSPHP301	Project-1

Practical lab courses (1): 8 hours per week

Practical Lab Course	Course
PSPHPAP302	Advanced Physics Lab-1

Semester III

M.Sc. in Physics Program for Semester-IV consists of four theory courses, one practical course and one Project. The details are as follows:

Theory Courses (4): 16 hours per week (One lecture of one hour duration)

Theory Paper	Subject Lectures
PSPH401	Experimental Physics
PSPH402	Atomic and Molecular Physics
*	Elective Course
*	Elective Course

*: To be chosen from the list below with odd-even number combination. Odd numbered course will be paper-3 and even numbered course will be paper-4.

Theory Paper	Subject Lectures
PSPHET401	Experimental Techniques in Nuclear Physics
PSPHET402	Particle Physics
PSPHET403	Crystalline & Non-crystalline solids
PSPHET404	Properties of Solids
PSPHET405	Advanced Microprocessor and ARM-7
PSPHET406	VHDL and communication Interface
PSPHET407	Digital Communication Systems and Python Programming
PSPHET408	Computer Networking
PSPHET409	Physics of Semiconductor Devices
PSPHET410	Semiconductor Technology
PSPHET411	Materials and their applications
PSPHET412	Energy Studies
PSPHET413	Astronomy and Space Physics
PSPHET414	Laser Physics
PSPHET415	Liquid Crystals
PSPHET416	Numerical Techniques
PSPHET417	Polymer Physics

Project (1): 8 hours per week

Project
PSPHP401

Practical lab courses (1): 8 hours per week

Practical Lab Course	Course
PSPHPAP402	Advanced Physics Lab-2

The candidate shall be awarded the degree of Master of Science in Physics (M. Sc. in Physics) after completing the course and meeting all the evaluation criteria. The Elective Course Titles will appear in the statement of marks. When the elective courses are chosen from a particular specialization, the statement of marks shall also carry a name of the specializations as stated below. Courses selected at third semester for a particular specialization are prerequisites for courses in fourth semester for that specialization.





MAHATMA EDUCATION SOCIETY'S PILLAI HOCL EDUCATIONAL CAMPUS

Pillai

Hindustan Organic Chemicals residential colony, Rasayani, Khalapur.



Largest Educational Campus with 10 Lakh square feet area of amenities

Facilities offered by the College

LEARNING RESOURCE CENTRE (LIBRARY):

The Learning Resource Centre is an essential component of our College in order to fulfil its vision and mission. The interest exhibited by Library Committee, commitment of able staff and the support of our management makes the Library a most conducive place on the campus for learning and advancement of knowledge.

The Library has the collection of more than 1000 books, bound volumes of periodicals. These include containing a good number of reference sources, Dictionaries, Encyclopaedia and all necessary academic subjects.

Another attractive feature is the availability of Journals, Magazines, Newspapers, & periodical, which includes both subject as well as general.

From academic year 2014-15 we are planning to introduce Digital Library where all notes and presentations of faculty members will be archived and stored, which can be accessed by students at their comfort from anywhere in the world.

Library timings: 9.00 am to 5:00 pm on all Working Days

Issue of Books: Books will be issued and returned only as per the schedule for respective courses displayed at the notice boards.

GYMKHANA AND SPORTS

Healthy mind in a Healthy Body is the guiding principle for a modern state-of-the-art gymnasium equipped with treadmills, power cycle, bench press and other fitness equipment. Indoor Games: The Campus building houses a fully equipped gymkhana and facilities for indoor games. The Campus has a large playground which is used for Handball, Volley Ball, Ball Badminton, Kabaddi and Cricket practices. The playground facilities are used for organizing inter-collegiate and district level sports.

CANTEEN

Epic Cafe: The Institute's modern Canteen caters to nourishing the young students and faculty with a menu that can match, the leading restaurants and taste that match homely food.

AUDIO-VISUAL LEARNING ENABLED CLASSROOMS

Audio Visual Classroom: We have well equipped classrooms having high end computers, ceiling mounted LCD projectors and comfort seating to enhances learning and promotes high level of interaction among the students and faculty. Conclave, the discussions auditorium has a digital smart board enabling the faculty to write and simultaneously project

HOSTEL

Separate hostel facilities for boys and girls are available to students at reasonable rates.

PARENT - TEACHER MEETING:

Parent - Teacher Meeting will be conducted once in each semester in the months of August and December. It is compulsory for all students to bring their parents for the PTM. If any parent is unavailable on the PTM day, they can take an appointment with the Class Teacher / Co-ordinator on another day according to their convenience.



LABORATORIES

Dedicated Physics, Chemistry and Computer Laboratories with high-speed internet connectivity and latest software and technology are available for PHCASC students. During non-lecture hours, any student with a valid I-Card can use a computer laboratory for his/her academic project or For referencing if the lab is free our computer labs are fully equipped with modern instruments and equipments.

MAGAZINE & STUDENTS JOURNAL

To encourage creativity amongst students the college brings out an annual issue of our magazine NIRMAAN and students journal DISHA. The magazine and the journal showcases the talents of our students with a sense of pride and satisfaction.

FREESHIPS/SCHOLARSHIP

All free ships and scholarships of the Government of India and Government of Maharashtra State are available to the students of reserved category admitted in the college. Students should contact college office for details and applications forms. Information regarding the free ships and scholarships is displayed on the notice board of the college from time to time. Students should collect the application form from the office immediately on re-opening of the college. Details regarding free ships, scholarships shall be displayed on the notice board of the college and it shall be the responsibility of the student to check the notice board regularly, College authority shall not be responsible if a student is deprived of any free ships or scholarships on account of failure on his/ her part to submit the duly filled application forms along with necessary documents on or before the stipulated last date.

ANTI RAGGING COMMITTEE

Anti Ragging Committee is constituted as per the guidelines of the Supreme Court / U. G. C to curb any such practice.

WEBSITE

you can contact us online at www.phcasc.ac.in. all the information about us can be downloaded from the said website.

0. 229 (GRACE MARKS FOR EXTRA CURRICULAR ACTIVITY)

Additional grace marks according to university rules are given to students in their Semester II Or IV examination results to Students who join N. S. S./N. C. C. / Life Long Learning and Extension activity / represent University of Mumbai at Inter University Sports Event or Cultural activities.

ACADEMIC MERIT PRIZES

To encourage the students in academic pursuits, attractive Academic Prizes are awarded to the students whose secure the highest marks in respective subjects at FY, S. Y and T. Y. Examinations.

STUDENTS' COUNCIL

Students' council is formed in the beginning of the term of every academic year as per the Maharashtra Universities Act 1994, The students' council organizes cultural and entertainment Programme, talent contests and official outings of the students under the supervision and control of the chairman of the students' council with permission in writing from the principal. While college will be taking all precautions to avoid any untoward incidents during any programme, we do not take any responsibilities for any such incidents.



NSS

The College has an active NSS unit where interested students can join and participate in social activities

WOMEN DEVELOPMENT CELL

Women Development Cell is constituted in our college WDC endeavours to make students understand the social construction of gender thus strengthening the status of women in society. Our aim is to make our college gender sensitive and nurture gender equity.

GRIEVANCE REDRESSAL COMMITTEE

Grievance Redressal Committee is also constituted to give a hear to the grievances which is headed by a senior faculty member.

SOCIAL RESPONSIBILITY

Committed to its social responsibility, PHCASC has an active Social Awareness Cell in the college which aims to inculcate a feeling of social commitment and constructively participate in bringing about enhancement of the lives of the socially backward or ignored. The Social Awareness Cell coordinates and helps the various departments to plan and conduct different social service activities which will see active involvement of the students. This is carried out throughout the year. Further the cell helps in conducting 'Community Service Day' under the aegis of MES, a one day program where the college carries out a fund raising drive, hosts at its campus a group of socially neglected people, provide with entertainment for them, computer classes for the poor children etc are held. We host beneficiaries of NGO or residents of an orphanage or an old age home at our campus and our teachers and students spend one entire day with them trying to give them a hope that they are still cared for. PHCASC has been hosting the under privileged tribal kids of Vanvasi Kalyan Ashram and been trying to help them in every possible way. On the Community Service Day, the visitors are treated to one day of fun and enjoyment. They return back with warm smiles and promises to visit next year around and our students and teachers are left with a sense of Later in the day a fund raising talent show programme called "Uber Rang" is organized. This show provides a platform for students of different institutes of MES to showcase their talents and contribute to the social cause too. The grand finale of the talent hunt is held in the evening of Community service day in presence of celebrities. The proceeds from the show are entirely used to support the charity events.



