

2010



North Maharashtra University, Jalgaon

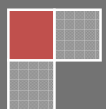
FACULTY OF COMMERCE & MANAGEMENT

Structure of

Master in Business Management (Computer Management)

MBM (Computer Management)

(w.e.f.: June-2010)





North Maharashtra University, Jalgaon

(NACC Accredited 'B' Grade University)

FACULTY OF COMMERCE & MANAGEMENT

STRUCTURE OF MASTER IN BUSINESS MANAGEMENT (COMPUTER MANAGEMENT)

MBM (COMPUTER MANAGEMENT)

Semester-I and II (w.e.f.-June 2010)			
Paper	Semester-I A: Credit Courses	Paper	Semester-II A: Credit Courses
1.1	Web Designing & Web tools	2.1	Ruby Programming Language
1.2	Operating Systems	2.2	DBS & SQL Server 2008
1.3	Object Oriented programming using C++	2.3	Introduction to Animation and Flash
1.4	Principles of Management	2.4	Management Information System & ERP
1.5	Financial Accounting for Manager (Tally 9.2)	2.5	Management Accounting
1.6	Lab- I (1.1 & 1.2)	2.6	Lab – III (2.1 & 2.2)
1.7	Lab – II (1.3 & 1.5 (Tally 9.2))	2.7	Lab – IV (2.3)
	B: Qualifying Non-Credit Course		B: Qualifying Non-Credit Course
1.8	Computer Fundamentals & Hardware/Software Installation	2.8	Research Methodology & Statistical Tools

Semester-III and IV (w.e.f.-June 2011)			
Paper	Semester-III A: Credit Courses	Paper	Semester-IV A: Credit Courses
3.1	Software Designing & Development	4.1	Quality Control and Software Testing
3.2	Organizational Behaviour	4.2	Information Security & Cyber Laws
3.3	Functional Elective Paper 1	4.3	Functional Elective Paper 4
3.4	Functional Elective Paper 2	4.4	Functional Elective Paper 5
3.5	Functional Elective Paper 3	4.5	Functional Elective Paper 6
3.6	Lab – V (3.1 & 3.4)	4.6	Lab - VII (4.1 & 4.4)
3.7	Lab – VI (3.5)	4.7	Lab – VIII (4.5)
3.8	Information System Audit (ISA)	4.8	Project

Functional Electives for Semester-III and IV (w.e.f.-June 2011)			
Paper	A (Web Management)	B (Application & Database Management)	C (Graphics & Animation)
3.3	Web Mining Concepts	Database Administration & Security	Introduction to Designing & Graphics
3.4	Scripting Languages	Java	Digital Graphics Design
3.5	C#.NET	VB.Net	3D Animation using Houdini
4.3	Website Management & Services	Data Mining & Data Ware Housing	Advanced Computer Animation
4.4	ASP.NET	Oracle & D2K	Post Production Processes for Animation
4.5	PHP & AJAX	J2EE & J2ME	3D Animation using Maya

Note : The student has to opt for one Specialization from amongst the offered groups of subjects under A, B or C for both the semesters 3rd & 4th. No change in specialization opt for 3rd sem. shall be allowed during the 4th sem.



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Semester-I and II (w.e.f.-June 2010)											
Paper	Semester-I A: Credit Courses	Maximum marks			Paper	Semester-II A: Credit Courses	Maximum marks				
		Int.	Ext.	Total			Int.	Ext.	Total		
1.1	Web Designing & Web tools	40	60	100	2.1	Ruby Programming Language	40	60	100		
1.2	Operating Systems	40	60	100	2.2	DBS & SQL Server 2008	40	60	100		
1.3	Object Oriented programming using C++	40	60	100	2.3	Introduction to Animation and Flash	40	60	100		
1.4	Principles of Management	40*	60	100	2.4	Management Information System & ERP	40	60	100		
1.5	Financial Accounting for Manager (Tally 9.2)	40	60	100	2.5	Management Accounting	40	60	100		
1.6	Lab- I (1.1 & 1.2)	40	60	100	2.6	Lab – III (2.1 & 2.2)	40	60	100		
1.7	Lab – II (1.3 & 1.5 (Tally 9.2))	40	60	100	2.7	Lab – IV (2.3)	40	60	100		
Total Maximum Marks		280	420	700	Total Maximum Marks		280	420	700		
B: Qualifying Non-Credit Course					B: Qualifying Non-Credit Course						
1.8	Computer Fundamentals & Hardware/Software Installation	Th	20	60	100	2.8	Research Methodology & Statistical Tools	Th	20	60	100
		Pr	20					Pr	20		

* Refer to Remedial Course as described in Rule no. 4.3 for Internal Marks

Semester-III and IV (w.e.f.-June 2011)									
Paper	Semester-III	Maximum marks			Paper	Semester-IV	Maximum marks		
		Int.	Ext.	Total			Int.	Ext.	Total
3.1	Software Designing & Development	40	60	100	4.1	Quality Control and Software Testing	40	60	100
3.2	Organizational Behaviour	40	60	100	4.2	Information Security & Cyber Laws	40	60	100
3.3	Functional Elective Paper 1	40	60	100	4.3	Functional Elective Paper 4	40	60	100
3.4	Functional Elective Paper 2	40	60	100	4.4	Functional Elective Paper 5	40	60	100
3.5	Functional Elective Paper 3	40	60	100	4.5	Functional Elective Paper 6	40	60	100
3.6	Lab – V (3.1 & 3.4)	40	60	100	4.6	Lab - VII (4.1 & 4.4)	40	60	100
3.7	Lab – VI (3.5)	40	60	100	4.7	Lab – VIII (4.5)	40	60	100
3.8	Information System Audit (ISA)	40	60	100	4.8	Project	40	60	100
Total Maximum Marks		320	480	800	Total Maximum Marks		320	480	800



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FACULTY OF COMMERCE & MANAGEMENT

STRUCTURE OF MASTER IN BUSINESS MANAGEMENT (COMPUTER MANAGEMENT)

MBM (COMPUTER MANAGEMENT)

1. TITLE OF THE DEGREE

This degree shall be titled as **Master in Business Management (Computer Management), MBM(Computer Management) for short.**

This new curricula shall to be effective from June 2010.

2. DURATION

The regular Full Time Post Graduate Professional Course under the aegis of UGC shall be of 2 Years duration; comprising of 4 Semesters through Theory papers, Practical, Project report, Viva-voce, and such other Continuous Evaluation Systems as may be prescribed, in this respect, from time to time.

3. ELIGIBILITY FOR ADMISSION

Any Graduate & equivalent there to and/or as prescribed by North Maharashtra University, Jalgaon.

4. PATTERN

4.1 This Course is a Full Time Post Graduate Professional Course under University Grants Commission (UGC) and the curriculum comprises 32 papers; of these 30 papers are Credit courses and 2 papers are Qualifying Non-Credit courses.

4.1.1 There shall be 21 compulsory papers (including non-qualifying credit course)

Comprising -

Theory : relating to Computer & Management - 17 papers

Practicals : relating to theory based Computer Courses - 4 papers

4.1.2 Similarly, there shall be 10 functional elective papers and a compulsory project as below-

Theory: Functional Electives - 6 papers

Practicals: Corresponding to the Functional Electives - 4 papers

A Project: Based on functional elective - 1

The student has to opt for one Specialization from amongst the offered groups of subjects under A, B or C from the specified list for both the semesters 3rd and 4th. No change in specialization opts for 3rd semester shall be allowed during the 4th semester.

- 4.2 Each semester will have 8 papers of 100 marks each, thus comprising 3200 marks for the PG Degree. Out of the 32 papers, Paper No. 1.8, and 2.8 shall be only Qualifying Non Credit courses. The Student has to pass these papers for qualifying for the Degree; however, the score obtained in these papers shall not be given weightage for awarding Final Credit or Class Award. Finally the degree shall be with 3000 marks' Credit courses.
- 4.3 One additional remedial course of 15-20 Hours on professional communication is to be conducted by Institute (model syllabus for this shall be recommended by the university. However, the institute/college can modify the same to suit the local environment) during the first month of 1st semester. The students attending this course and successfully completing it by appearing for test shall be awarded marks out of maximum 10 marks in the internal exam of Paper No 1.4 i.e. Principles of Management.
- 4.4 The external assessment shall be based on external written examination for theory courses and external practical examination for lab based courses. This external examination shall be conducted by the university at the end of the each semester.
- 4.5 The student shall not be allowed to appear for the semester examination unless the Head/Director of the University Department/Institution certifies completion of internal work, regularity, practical etc. The institution shall submit along with this certificate Internal marks to the COE of the University.
- 4.6 CGPA system as devised by the University shall be applicable.
- 4.7 Continuous evaluation of the students shall comprise the 60+40 pattern; where every paper of 100 marks, shall be divided as External evaluation of 60 marks and internal continuous assessment of 40 marks.
- 4.8 Continuous Internal assessment comprises-
- 4.8.1 **For lab based practical courses -**
- 4.8.1.1 one internal practical test of 30 Marks
- 4.8.1.2 10 Marks for regularity in lab work and timely completion of journals. There shall be no theory examination for lab based practical courses.
- 4.8.2 **For other courses -**
- 4.8.2.1 For 30 marks at least two Class tests should be conducted
- 4.8.2.2 10 Marks for Classroom Paper Presentation, Research Paper Presentations at State Seminars, Research Paper Presentations at National Seminars, Publications in Journals, Presentations of Case Study, Group Discussions, Book Review, Active participation in Event Management, Industrial Visit, Placement Activities, Institutional Branding Activities, Survey etc. in related subjects (atleast Two activities are to be completed by the student per semester per paper to be supervised and guided by the concerned teacher).

4.8.3 **For Qualifying Non-Credit Course** : The 40 internal marks for Paper No. 1.8 & 2.8 shall comprise of the following-

4.8.3.1 Theory test - 20 marks

4.8.3.2 Practical lab based on computer component in the subject - 20 marks

5. RULES FOR CONDUCTING PRACTICAL COURSES

5.1. Practical batch size should be of 12 students.

5.2. For each Lab based course there shall be 12 Practicals. All Practicals must be completed by the student, which should be observed by the subject teacher.

5.3. Detailed guidelines for practical exam etc. shall be communicated by the university from time to time.

6. PROJECT

6.1. In the Fourth semester examination student were to do "Project Work" individually on the basis of specialization. No group work is allowed in this. The topic should be decided with consultation and guidance of internal teacher of the Institute at the start of the Third Semester. No teacher shall be entrusted with more than 10 students for guidance and supervision.

6.2. The institute shall submit the detailed list of candidate with Project Titles, name of the organization, internal guide & functional elective to the university on or before 31st June of the second year.

6.3. The student shall submit outline of the project in Semester-III, before external practical exam. The examiner should ensure that the outline is submitted by the student and duly signed by internal project Guide.

6.4. No practical lab-work shall be granted if the student failed to submit the outline of the project before the external practical exam.

6.5. Guidelines issued by the University from time to time in this respect of project report shall be applicable as and when issued.

7. QUALIFYING NON-CREDIT COURSE

Both the Qualifying Non-Credit Courses (i.e.1.8 & 2.8) are to be evaluated for 100 marks each on 60:40 pattern (40 Marks for internal and 60 Marks for external). These examinations shall be arranged by the institute/college internally with the common question paper supplied by the university and as per examination schedule provided by the university. All other conduction etc. should be by the institute/college.

8. PASSING STANDARDS

- 8.1. For lab based courses the candidate shall score atleast 20 marks in internal exam and 30 marks in external exam i.e. 50% of the maximum marks.
- 8.2. For other than lab based course, in order to pass the examination the candidate has to obtain 50% marks in aggregate & at least 40% marks for each head separately, that is 24 marks out of 60 (External) & 16 marks out of 40 marks (Internal) for all theory courses including for Qualifying Non Credit Courses.
- 8.3. The student shall be allowed to keep the terms of the next year as per the University rules.

9. GUIDELINES FOR TEACHING

- 9.1. There shall be at least 60 lecture hours per semester per course. The duration of the lectures shall be 60 minutes each. There shall be at least 14-16 weeks of teaching before commencement of examination of respective semester.
- 9.2. There shall be 4 lectures / week / paper.
- 9.3. The semester workload is balanced with 6 full theory papers of 100 marks each / semester and 2 full practical papers including non-credit course of 100 Marks each / semester. Thus 360 lecture hours are considered for teaching sessions and 40 lecture / sessions shall be used for continuous assessment. For practical courses minimum 3 hours of 60 minutes / lab based course / week is to be given with each practical course. Hence, in effect there shall be 80 Practical Hours of 60 minute each.
- 9.4. Self study shall be natural requirement beside the time table. The Faculty will have to exert a little extra for cultivating reading habits amongst the students.
- 9.5. The teaching method shall comprise a mix of Lectures, Seminars, Group discussions, Brain storming, Game playing, Interactions with Executives etc. so as to prepare the students to face the global challenges as Computer professional. For this Audio-visual aids and Practical and field work should be a major source of acquiring knowledge and project work should be encouraged to enhance industrial interaction.
- 9.6. Case study method preferably shall be used, wherever possible, for the better understanding of the students.

10. ADDITIONAL SPECIALIZATION

- 10.1. The student who has passed MBM(Computer Management) of this University with a specific specialization i.e. A,B or C groups of subjects, may be allowed to appear for MBM(Computer Management) examination again, with other specialization by keeping term for the IIIrd and IVth semester for the so opted 10 papers (6 theory and 4 practical courses) of additional specialization and a project report. Thus, he has to appear for 10 papers and a Project report of the additional specialization so opted.

- 10.2. He shall be given exemption for all other papers.
- 10.3. The student has to pay only Tuition fees for one year as may be prescribed by the university from time to time for this purpose.
- 10.4. The student is not entitled to receive separate Degree Certificate or Class for this additional specialization.

11. STRUCTURE OF THE QUESTION PAPER

- 11.1. Each question paper shall be of 60 marks and of 3 hours duration.
- 11.2. All questions shall carry equal marks i.e. 12 marks each.
- 11.3. Question paper shall be designed such that 1st Question shall be compulsory based on any topic of the syllabus. There shall be no internal option for this question. Out of remaining 6 questions any 4 questions are to be attempted by the student. The 6 (Six) questions shall comprise the mix of small, medium and long answer questions as may be required by the nature of the topic and course objective and shall cover the whole canvas of the syllabus.
- 11.4. A – The question papers for computer related courses i.e. paper nos. 1.1, 1.2, 1.3, 1.8, 2.1, 2.2, 2.3, 3.1, 3.3, 3.4, 3.5, 4.1, 4.3, 4.4, 4.5 shall include practical questions max upto 30%.
B – The question papers of 1.5, 2.5 courses shall include 70% problems and 30% theory.

12. ELIGIBILITY OF THE FACULTY

As per the norms fixed by UGC, Govt. of Mah. & the North Maharashtra University, Jalgaon.

Courses	Qualifications
For all Management related subjects (Paper Nos. 1.4, 2.4, 3.2 & 4.2)	M.Com/MBA or equivalent.
For all Commerce related subjects (Paper Nos. 1.5, 2.5 & 3.8)	-M.Com. -CA/CWA/CS /MBA(Finance) or equivalent (with graduation from Commerce faculty).
For Computer Related subjects	-MCM/MBM(CM)/MCA/M.Sc.(Computer Science/ IT) /B.E.(Computer/IT) -MBA (IT) / MBA(Systems) (with science graduation from Computer/IT specialization)



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FACULTY OF COMMERCE & MANAGEMENT

EQUIVALENCE OF OLD AND NEW COURSES FOR

MASTER IN BUSINESS MANAGEMENT (Computer Management)

New Paper	New courses (w.e.f.- June 2010)	Old Paper	Old courses (w.e.f.- June 1998)
Semester-I			
1.1	Web Designing & Web Tools	1.2	Internet Fundamentals and web designing tools
1.2	Operating Systems	2.3	Linux
1.3	Object Oriented programming using C++	1.4	Programming in C++
1.4	Principles of Management	2.5	Communication Skills
1.5	Financial Accounting for Manager (Tally 9.2)		
1.6	Lab - I (1.1 & 1.2)	1.6	Lab based on 1.2, 1.3 & 1.4
1.7	Lab – II (1.3 & 1.5 (Tally 9.2))		
1.8	Computer Fundamentals & Hardware/Software Installation	1.1	Elements of IT
Semester – II			
2.1	Ruby Programming Language	3.1	Java
2.2	DBS & SQL Server 2008	1.3	DBMS
2.3	Introduction to Animation and Flash		
2.4	Management Information System & ERP	4.3	Management Information System
2.5	Management Accounting	1.5	Accounts
2.6	Lab – III (2.1 & 2.2)	2.6	Lab based on 2.2, 2.3 & 2.4
2.7	Lab – IV (2.3)		
2.8	Research Methodology & Statistical Tools	4.4	Operation Research
Semester – III			
3.1	Software Designing & Development	2.1	Software Design & Software Quality Management
3.2	Organizational Behaviour	3.3	Business Applications
3.3	Functional Elective Paper 1	3.4	Data Structure
3.4	Functional Elective Paper 2	4.1	JavaScript, VBScript
3.5	Functional Elective Paper 3	3.5	VB.Net*
3.6	Lab – V (3.1 & 3.4)	4.5	Lab based on 4.1*
3.7	Lab – VI (3.5)	2.4	VC++
3.8	Information System Audit (ISA)		
Semester – IV			
4.1	Quality Control & Software Testing		
4.2	Information Security & Cyber Laws	3.2	E-commerce, ERP and SCM
4.3	Functional Elective Paper 4		
4.4	Functional Elective Paper 5	2.2	Oracle/D2K*
4.5	Functional Elective Paper 6	4.2	Introduction to J2EE, J2ME*
4.6	Lab – VII (4.1 & 4.4)		
4.7	Lab – VIII (4.5)	3.6	Lab based on 3.1 & 3.4*
4.8	Project	4.6	Project

***Note:** The Student from old structure shall not be allowed to opt for “C” group of subjects from new structure i.e. specialization on “Animation and Graphics”. He has to either opt for A or B only.