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**BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT
ORDINANCES GOVERNING**

**MASTER OF PHYSIOTHERAPY (MPT) COURSE
2009 Onwards**

MASTER OF PHYSIOTHERAPY (MPT) COURSE 125-

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MPT in Orthopedics

MPT in Neurology

MPT in Cardiopulmonary

MPT in Sports

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1. Duration of course

The duration of Masters in Physiotherapy course shall be two academic years:

- a) First Professional M.P.T. 1 year
- b) Second Professional M.P.T. II year

2. Admission criteria and qualifications

The admission to the M.P.T. course shall be made on the terms & conditions prescribed in the Notification issued by the Government of Punjab from time to time. Applicants must possess the following criteria:

Bachelor of Physiotherapy Degree with not less than 4 ½ years duration (including Six months of Internship) from any university within India or equivalent degree from any other recognized university with 50% aggregate marks in University examination

3. Medium of Instructions

English shall be the medium of instructions for study and examination of the Masters in Physiotherapy degree course.

4. MPT Specialties

The MPT Course can be pursued in the following specialties:

1. MPT in Orthopedics
2. MPT in Neurology
3. MPT in Cardiopulmonary
4. MPT in Sports
5. MPT in Pediatrics
6. MPT in Community Based Rehabilitation
7. MPT in Obstetrics and Gynecology

5. Examinations

5.1 Each examination shall be held twice a year in the months of May/June and November / December or on such dates as may be fixed by the University from time to time.

5.2 Every candidate shall pay examination fee to the University as may be prescribed by the Board of Management from time to time unless otherwise notified

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by the University. The last dates for receipt of examination form and Fee in the University Office shall be as under:

Examinations M.P.T.	Without Late fee	With late fee of Rs. 200/-	With late fee of Rs 500/-	With Late fee of Rs. 1500/-
May / June	March 1	March 15	March 31	April 15
Nov / Dec	Sept. 15	Sept. 30	Oct. 15	Oct. 31

The Vice Chancellor may permit acceptance of admission form and fee ten days before the commencement of examination with a late fee of Rs. 2000/-

6. First Year M.P.T. Examination

The First Year M.P.T. Examination shall be open to a person who

- a) Has been enrolled for one academic year preceding the examination in a Physiotherapy College affiliated to the University.
- b) Has his/her name submitted to the Registrar by the Principal of the college with the following certificates.
 - i) Of having attended separately in theory and practical / clinical not less than 75 percent of the lectures delivered and practicals conducted in each of the subjects prescribed for the examination provided that deficiency in the number of lectures delivered and practicals conducted may be condoned by the Principal to the extent of 10% of the lectures delivered.
 - ii) Of having secured at least 35% marks of the total marks fixed for internal assessment in each subject, separately, in order to be eligible to appear in all University examinations
 - iii) Of good moral character.

Note: Internal Assessment should be submitted to the University at least two weeks before the commencement of theory examinations. All the colleges shall adopt uniform criteria for Internal Assessment for which a record of each student shall be maintained in each department, which should be made available for inspection by

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the student concerned as well as University authorities. The re-appear/ fail students will be re-assessed every time for the purpose of Internal assessment and their previous score of assessment will be carried forward. If a candidate fulfils the condition laid down in clause 6 above for one or more subject (s) He/she may be allowed to take the examination in such subject (s) in which he/she fulfils the requirements.

- c) The First Year M.P.T. Annual Examination shall be held in May/June and the supplementary within six months of the annual examinations.
- i) There shall be a provision of internal assessment of 20% marks in each subject of M.P.T. course in theory and practical, separately.
- ii) Each theory paper shall be of three hours duration.
- iii) The minimum number of marks to pass the examination shall be 50% in theory including Internal Assessment and 50% in practical / clinical including internal assessment in each subject.
- iv) A candidate securing 75% or above marks in any of the subjects shall be declared to have passed with distinction in that subject provided he has passed the examination in first attempt.
- v) A candidate who fails in one or more subjects in his/her First attempt shall be permitted to attend classes in 2nd Year M.P.T. course. However, he/she must pass First Year M.P.T. examinations course at least 6 months before he/she is allowed to appear in the Second Year M.P.T. examination.
- vi) A candidate who passes in one or more subjects shall be exempted from appearing in these subjects at a subsequent examination, but the candidate must pass the examination in a maximum of four attempts after having fulfilled basic eligibility criteria which includes attendance, assessment etc. and, failing which he/she shall have to appear in all the subjects of the examination.
- vii) A candidate shall have to qualify in all papers prescribed for the MPT course within a period of four years from the date he joined the course for the award of MPT degree.

7. Second Year M.P.T. Examination

The Second Year M.P.T. Examination shall be open to a person who -

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a) Has been enrolled for one academic year preceding the examination in a Physiotherapy College affiliated to this University.

b) Has previously passed the First Year M.P.T. examination of this University or an examination of any other recognized University / Institution in India considered equivalent for the purpose of the University.

c) Has his/her name submitted to the Registrar by the Principal of the College with the following certificates?

i) of having attended separately in theory and practical / clinical not less than 75 percent of the lectures delivered and practicals conducted in each of the subjects of Second Year M.P.T. course prescribed for the examination provided that deficiency in the number of lectures delivered and practical conducted may be condoned by the Principal to the extent of 10% of the lectures delivered.

ii) Of having secured at least 35% marks of the total marks fixed for internal assessment in each subject, separately, in order to be eligible to appear in all University examinations.

iii) Of good moral character.

Note: 1) Internal Assessment should be submitted to the University at least two weeks before the commencement of theory examinations. All the colleges shall adopt uniform criteria for Internal Assessment for which a record of such student shall be maintained in each department, which should be made available for inspection by the student concerned as well as University authorities. The re-appear / failed students will be re-assessed every time for the purpose of Internal Assessment and their previous score of assessment will be carried forward.

2) If a candidate fulfils the condition laid down in clause 7 above for one or more subject (s) he/she may be allowed to take the examination in such subject (s) in which he/she fulfils the requirements.

3) The 2nd M.P.T. course shall be of one year duration and examination shall ordinarily be held in May/June. The Supplementary examination shall be held within six months of the annual examination

i) There shall be a provision of internal assessment of 20% marks in each subject of M.P.T. course in theory and practical, separately.

ii) Each theory paper shall be of three hours duration.

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- iii) The minimum number of marks to pass the examination shall be 50% in theory including Internal Assessment and 50% in practical / clinical including Internal Assessment and 50% in practical / clinical including Internal Assessment in each Subject.
- iv) A candidate securing 75% or above marks in any of the subjects shall be declared to have passed with Distinction in that subject provided he / she has passed the examination in first attempt.
- v) A candidate who passes in one or more subjects shall be exempted from appearing in these subjects at the subsequent examinations but the candidate must pass the examination in a maximum of 4 attempts, failing which he / she shall have to appear in all the subjects of the examination.

8. Methods of training

The training of postgraduate for MPT degree shall be on a full time pattern with graded responsibilities in the management and treatment of patients entrusted to his / her care. Training should include involvement in laboratory, experimental work and research studies. The participation of the students in all facets of educational process is essential.

Every Candidate should take part in seminars, group discussions, clinical rounds, case demonstrations, clinics, journal review meetings and other continuing physiotherapy education (CPE) activities. Every candidate shall be required to participate in the teaching & training programs of undergraduate students.

9. Monitoring progress of studies (Internal monitoring)

It is essential to monitor the learning progress of each candidate through continuous appraisal and regular assessment. It not only helps teachers to evaluate students, but also students to evaluate themselves. The monitoring shall be done by the staff of the department based on participation of the students in various teaching / learning activities. It must be structured and assessment be done using checklists that assess various aspects. Model checklists are given in Table I to VII in section 18 which may be copied & used.

Work diary: Every candidate shall maintain a work diary and record his/ her participation in the training programs conducted by the department such as journal reviews, seminars, etc. Special mention may be made of the presentations by the candidate as well as details of clinical or laboratory procedures, if any, conducted by

the candidate. The work diary shall be, certified by the Head of the Department and Head of the Institution after proper securitization by the concerned teacher before presenting in the university examination.

Periodic Tests: The College must conduct two tests, one of them be mid term and other pre final test at the end of the first year and similarly in the second year. The test may include written theory papers, practical, viva voce and clinical in the pattern of university examination. Records and marks obtained in such tests shall be used for internal assessment and be maintained by the Head of the Department under supervision of the Principal.

10. Attendance

A candidate is required to attend a minimum of 75% of clinical training & of the total classes conducted during each academic year of the MPT course. Any student who fails to complete the course in this manner shall not be permitted to appear for the University examinations. Report has to be sent to the university at every six months .

11.

A. Teaching & learning experience

Minimum requirements for each Candidate

- (a) Journal Review meetings -- Five in one year
- (b) Seminars -- Five in first year and three in second year
- (c) Clinical presentation -- 10 cases in each year
- (d) Special Clinics (Desirable) -- 5 in each year
- (e) Inter departmental meetings -- 5 in two years
- (f) Community work, camps / field visits -- Four in two years
- (g) Clinical rounds -- 250 hours in two years
- (h) Dissertation work -- 200 hours in two years
- (i) Participation in conferences -- 2 in two years
- (j) Presentation of paper (Desirable) -- 1 in two years
- (k) Publication of paper (Desirable) -- 1 in two years
- (l) Teaching Activities -- UG Teaching
- (m) Learning Activities: Self learning, use of computers & Library
- (n) Any other -- Specify (e.g.: CPE, workshops, symposium, hands on) -- 1 in 2 years.

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B. Graded responsibility in care of patients and operative work
(Structured training Schedule for clinical & elective subjects only)

Table 1

Category	I year MPT	II year MPT
O	20 cases	20 cases
A	20 cases	30 cases
PS	100 cases	60cases
PI	20 cases	50 cases

Keys: O – Observes

A – Assisted a Senior Physiotherapist

PS -- Performed Procedure under the direct supervision of a Senior Specialist

PI – Performed Independently

12. Dissertation – Accepted/Not Accepted/ Accepted with modification

Every candidate pursuing MPT degree course is required to carry out work on a selected research project of relevant speciality under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of dissertation. The dissertation is aimed to train a graduate student in research methods and techniques. It includes identification of a problem, formulation of a hypothesis, search & review of literature getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the Principal of the College in the prescribed proforma, a synopsis containing particulars of proposed dissertation work within 6 months from the date of commencement of the course after having been presented and approved by the Institutional Research and Ethics Committee. The synopsis shall be sent through the proper channel i.e. through Guide/Supervisor and Head of the Dept. Such synopsis will be reviewed and the College and University will register the dissertation topic. No change in the dissertation topic or guide shall be made without prior approval of the university.

One Page Abstract to be submitted to the University.

The dissertation should be written under the following headings (with relevant Tables/ Graphs/ Diagrams/ Pictures where required)

1. Introduction.
2. Review of literature
3. Aims and objectives of study
4. Material & methods
5. Observations / Results
6. Discussion
7. Conclusion
8. Summary
9. Bibliography
10. Annexure.
 - i) Statistical analysis
 - ii) Master chart

The written text of dissertation shall not be less than 150 pages excluding references, tables, questionnaires and other annexure. It should be neatly typed in double line spacing on one side of paper (A4 size, 8.27" X 11.69") and Hard bound. **General text should be of times new roman with font size 12.** The guide/supervisor, co-supervisor, Head of the department and Principal shall certify the dissertation. Five copies of dissertation thus prepared shall be submitted to the Registrar by the Principal of the college, three months before final examination on or before the dates notified by the university.

The examiners appointed by the university shall evaluate the dissertation with comments on each item of the Dissertation. Approval of dissertation work is an essential pre-condition for a candidate to appear in the university examination. In case of Disapproval/ Resubmission proper reasons and Justification has to be given by the Examiners. Two evaluators (examiners) apart from the guide shall evaluate the dissertation. One of the evaluator is external from outside BFUHS the other one shall be from another college affiliated to BFUHS. Acceptance by both the external evaluators is mandatory

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13. Guide

The academic qualification and teaching experience required for recognition by this University for a Post graduate teacher for guiding MPT Candidates shall be:

1. MPT / MSPT with **at least five years of full time teaching and clinical experience in core subject area after post graduation. Notwithstanding the above clause in any case of acute shortage of qualified postgraduate guides, a PG teacher with 3 years teaching experience after MPT/MSPT can be considered.**

2. The age of Post graduate teacher / guide shall not exceed 65 years.

3. The guide student ratio shall be 1:3

Co- guide: May be included provided the work requires substantial contribution from a sister department or from another medical institution recognized for teaching / training by Baba Farid University of Health Sciences. The co- guide shall be a recognized Post graduate teacher of Baba Farid University of Health Sciences. Same guide lines for other master degree programs in Medicine under BFUHS

14. Change of guide

In the event of a recognized guide leaving the college for any reason or in the event of death of guide, guide may be changed with prior permission from the University.

15. Schedule of examination

The examination for MPT course shall be held at the end of each academic year. The university shall conduct two examinations in the year at an interval of 4-6 months between two examinations. Not more than two examinations shall be conducted in an academic year.

16. Scheme of examination written Examination (Theory) = 80 Marks + 20

Internal Marks

Written examination consisting of question papers, each of three hours duration and each paper carrying 80 Marks. Recent advances in Physiotherapy may be asked in any or all the papers.

Practical Examination - 160 Marks + 40 Internal marks=200

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It should be aimed at examining clinical skills and competency of the candidates for undertaking independent practice.

Viva - voce Viva-voce examination shall aim at assessing depth of knowledge, logical reasoning, confidence and oral communications skills. The marks of viva-voce examination shall be included in the clinical examination.

EXAMINERS

There shall be 2 examiners in each subject. One of them shall be external from outside the university and the other shall be internal, preferably from the same college or as decided by the University.

CRITERIA FOR DECLARING AS PASS IN UNIVERSITY EXAMINATION

A candidate shall secure not less than 50% of marks in each head of passing which shall include theory and practical (including clinical viva- voce examination) separately. A candidate securing less than 50% of marks as described above shall be declared to have failed in the examination. Failed candidate may appear in any subsequent examination upon payment of fresh fee to the University.

Declaration of distinction.

A successful candidate passing the university examination in first attempt will be declared to have passed the examination with distinction, if the grand total aggregate mark is 75 percent and above. Distinction will not be awarded for candidates passing the examination in more than one attempt.

17. Type of questions in written paper

Theory - 80 Marks each paper

1. Long essay (1 Questions) - 1 x 20 = 20 marks

2. Short essay (6 Questions) - 6 x 10 = 60 marks

Total 80+20 (Internal Assessment) = 100

Practical / Clinical - 160 marks.

Note: All cases for clinical examination should be on patients.

1. Long case (1) - 1 x 40 = 40

2. Short cases (2) - 2 X 25 = 50 marks

If a candidate gets a long case in surgical conditions then the general short case will be in medical condition and vice-versa

ii. Repetition of the cases should be avoided as far as possible.

3. Viva + Spots (10 X 3 = 30): 40+30=70 marks

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TABLE II

MODEL CHECK LIST FOR EVALUATION OF SEMINAR PRESENTATIONS

Name of the Student:

Name of Faculty / Observer:

Date:

S.No	Items for observation during presentation	Poor	Below Average	Average	Good	Very Good
1.	Introduction	(0)	(1)	(2)	(3)	(4)
2.	Review of Literature					
3.	Recent Developments					
4.	Clarity of presentation					
5.	Understanding of subject					
6.	Ability to answer the questions					
7.	Time management					
8.	Appropriate use of Audio / Visual aids					
9.	Overall performance					
10.	Any other observations					
	Total Score					

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TABLE III

MODEL CHECK LIST FOR EVALUATION OF CLINICAL WORK

Name of the Student:

Date:

Name of Unit Head / Supervisor:

Date:

S.No	Points to be Considered	Poor	Below Average	Average	Good	Very Good
		(0)	(1)	(2)	(3)	(4)
1.	Punctuality					
2.	Interaction with colleagues and supportive staff					
3.	Maintenance of case records					
4.	Presentation of cases during Rounds					
5.	Investigations work up					
6.	Bedside manners					
7.	Rapport with patients					
8.	Treatment approaches & Techniques					
9.	Overall quality of Clinical work					
	Total Score					

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TABLE IV

EVALUATION FOR CLINICAL PRESENTATIONS

Name of the Student:

Name of Faculty / Supervisor:

Date:

S.No	Points to be Considered	Poor	Below Average	Average	Good	Very Good
		(0)	(1)	(2)	(3)	(4)
1.	Initial therapist approach to patient					
a	Completeness of History					
b	Whether all relevant points elicited					
c	Clarity of presentation					
d	Logical order					
e	Mentioned all positive and negative points of Importance					
f	Accuracy of general physical examination					
g	Whether all physical signs elicited correctly					
h	Whether any major signs missed or misinterpreted					