

# MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

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## Direction No. 8 /2002 : Rules Governing Internship Training Programme for Final Year pass out B.O.Th. Candidates under the Faculty of Allied Health Sciences.

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WHEREAS the Maharashtra University of Health Sciences Act, 1998 ( Maharashtra Act No. X of 1999) has come into force w.e.f. 3<sup>rd</sup> June,1998;

AND

WHEREAS the University has already conducted First, Second and Third B.O.Th. Examinations and for the first time Final Year B.O.Th. Examinations in summer 2002 and the candidates after passing Final Year B.O.Th. Examination have to undergo Internship Programme for conferment of B.O.Th. Degree;

AND

WHEREAS it is essential to frame rules governing Internship Training Programme for pass out candidates of Final Year B.O.Th. Examination as envisaged in Section 29 of Maharashtra University of Health Sciences Act, 1998 ;

AND

WHEREAS framing of rules governing Internship Training Programme of Occupational Therapy students who would pass the Final Year B.O.Th. Examination is a subject matter of Ordinance;

AND

WHEREAS Ordinance regarding rules governing Internship Training Programme for pass out candidates in Final Year B.O.Th.. Examination is not in existence ;

AND

WHEREAS necessary Ordinance is yet to be made;

Now, therefore I, Dr. D. G. Dongaonkar, Vice-Chancellor of the University in exercise of the powers conferred upon me under sub-section 8 of Section 16 of Maharashtra University of Health Sciences Act, 1998 issue the following Direction :

- 1) This Direction shall be called " Rules Governing Internship Training Programme

for Final Year pass out B.O.Th. candidates under the Faculty of Allied Health Sciences."

- 2) This Direction shall come into force with effect from the date of its issuance.
- 3) For the Degree of Bachelor of Occupational Therapy, the students after passing the professional examinations as per the syllabi prescribed by the Maharashtra University of Health Sciences, for First B.O.Th., Second B.O.Th., Third B.O.Th. and Final Year B.O.Th. shall undergo Six months compulsory rotatory paid (stipendiary allowances) internship training programme to develop skill and acquire clinical knowledge with proficiency in managing patient independently.
- 4) These rules shall be implemented by all approved / recognized Occupational Therapy colleges affiliated to the Maharashtra University of Health Sciences, Nashik, meticulously from the first batch admitted in 1998-99 to Occupational Therapy course. The evaluation of the interns shall be done very carefully by the In-charge, Internship Training Programme and the Head of the concerned department on the basis of the skill, knowledge and ability to handle the cases independently. The Dean of the college shall have to monitor Internship Training Programme in collaboration with all Heads of the Departments. The In-charge, Internship Training Programme, Heads of the Departments and the Dean of the institution shall be responsible for the maintenance of standard and records of the interns. Any deviation/alteration in the training programme without the knowledge of the Maharashtra University of Health Sciences shall not be permitted under any circumstances and the Maharashtra University of Health Sciences shall not accept any responsibility in respect of any deviation/alteration in the training programme.
- 5) The programme of internship shall be as under.

## **GENERAL**

Since Occupational Therapy profession does not have a Council to regulate the education, till such Council is formed; the rules & Regulations recommended by the All India Occupational Therapy Association [A.I.O.T.A.], affiliated to the World Federation of Occupational Therapy, & accepted by the Maharashtra University of Health Sciences shall be implemented.

The Internship programme shall mainly focus on acquisition of specific skills listed in the major areas of training by "hands on" experience

- 1) The Chief of parent institute shall be responsible for implementation of Internship programme & also for issuing Internship completion certificate.
- 2) Internship shall commence not later than One week from the day of declaration of results of IV B.O.Th course.
- 3) It shall be binding on the candidate to follow strictly ,the code of conduct prescribed by the A.I.O.T.A & accepted by the Maharashtra University of Health Sciences. Any breach in the conduct / discipline shall disqualify the candidate from pursuing Internship for a period of One week to One month or more depending upon the gravity of breach of conduct.
- 4) Stipend shall be recommended during the Internship.
- 5) Compulsory Internship shall include rotational clinical assignments for six months
- 6) On successful completion of internship, to the satisfaction of the Head of Occupational Therapy Dept & the Chief of the parent institution ,the internship completion certificate shall be issued. by the parent institution; which on submission to the Maharashtra University of Health Sciences, the candidate shall be awarded B.O.Th Degree.
- 7) Evaluation shall be carried out every two months as shown in the Internship schedule at the area of posting by the recognized Occupational therapy staff of the Parent institute. Candidate who fails in any evaluation shall repeat the respective posting for a period of 30% of the total duration allotted to that posting. All the repeat postings shall be undertaken after having completed the Compulsory rotational assignments.
- 8) The intern must maintain a log book for the work done in clinic & ward cases on daily basis, it is to be signed by the unit In-charge, after the completion of the month to be signed by Head of the O.T. institute.
- 9) At the end of the internship, the intern will submit and present the dissertation on a selected topic.

10) After the completion of internship satisfactorily including assignments dissertation the intern will receive the internship competition certificate duly signed by the Head of the Occupational Therapy school with the intimation to University.

### **Objectives of Internship training programme for Occupational Therapy Interns.**

At the end of training the intern shall be able to :

- 1) Diagnose disability and manage common impairment problems of the individual and the community and make timely decision for referral to specialized clinics.
- 2) Appreciate rationale of different Occupational therapeutic modalities and use them appropriately.
- 3) Assist in the management of emergencies medical, surgical, .neonatal paediatric by rendering appropriate therapeutic procedures.
- 4) Demonstrate skills in monitoring of the National Health Programmes & orient to provide preventive, curative & rehabilitative services for community based Rehabilitation, (C.B.R.).
- 5) Develop consultive role for the health & family welfare services in existing socio-economic, political & cultural environment as a part of C.B.R. organization.
- 6) Render therapy to chronically sick & disabled both physically as well as mentally challenged & achieve maximum physical, mental & functional & vocational independence for them.
- 7) Use effectively 'Job modification' technique in work places based on ergonomic principles to achieve good quality of life for community.
- 8) Use early intervention programme for neonates & school children to prevent secondary behavioural changes & learning disabilities.
- 9) Use biomechanical & Pathophysiological principles to design alterations in common orthotic devices & to fabricate hand orthosis & self help adaptations.
- 10) Develop assessment skills using common standardised instruments to achieve psychological rehabilitation.,
- 11) Use functional analysis index & correlate it with disability evaluation to aid in workman's compensation & other legal procedures as per the social legislature.

### **C) Internship : Time Distribution :**

- 1) The total period of internship Training Programme shall be 6 months from the date of commencement.

Schedule : 5 months of posting at parent institute.

1 month of Community Based Rehab. Posting.

**Note :** One month of C. B.R. could be in parent institute or other teaching institute. Other teaching institute must be recognised by All India Occupational Therapists Association (A.I.O.T.A.) till O.T. Council is formed and if in the State of Maharashtra it should be also recognised by Maharashtra University of Health Sciences (MUHS).

Discipline -wise distribution of posting of the intern shall be as follows :

Discipline	(Parent Institute)	Other teaching institute
Compulsory posting	-	-
Orthopaedics	1 month	-
Psychiatry	1 month	-
Neurology	15 days	-
Paediatrics	15 days	-
Surgery	15 days	-
Medicine	15 days	-
Community Based Rehabilitation	1 month ( either same) institute	or 1 month in other institute
Elective posting	1 month	--
Total Duration	6 months	1 month.

### **Elective Subjects :-**

Elective posting will include Two of the following for 15 days in each subject.

1. Cardio respiratory conditions.
2. Paediatric Surgery and S. I.

### 3. Plastic Surgery & hand.

In recognition of the importance of hands- on experience, full responsibility for patient care and skill acquisition, the training programme is scheduled to utilize maximally the clinical facilities available. Student should treat not less than 10 patients per day.

#### **D ) Evaluation scheme :- Parent institute will conduct evaluation programme as follows:-**

Evaluation of interns for assessing eligibility for issuing internship completion certificate by Heads of the college, total three assessments to be conducted, one assessment every two months.

#### **O.T. in Surgery & Allied - (Orthopaedics, Plastic surgery, General surgery etc.)**

- |    |  |   |         |
|----|--|---|---------|
| 1. | Patient handling                                     |   |         |
| -  |  |   | 2 marks |
| 2. | Hand function testing on patients                    | - | 2 marks |
| 3. | Prescriptions Fabrication of splint/ brace           | - | 2 marks |
| 4. | Assessment on ADL index                              | - | 2 marks |
| 5. | Application of environmental modification techniques | - | 2 marks |

#### **Community Occupational Therapy and Elective posting**

##### **a) Community Occupational Therapy**

- |    |  |   |        |
|----|--|---|--------|
| 1. | Preparation of survey proforma   | - | 1 mark |
| 2. | Detection of Disability  | - | 1 mark |
| 3. | Prescription and fabrication of rural adaptation                       | - | 1 mark |
| 4. | Modification in furniture design at work places using preventive model | - | 1 mark |
| 5. | Assessment of reaction time in geriatric                               | - | 1 mark |

##### **b) Elective Posting**

- |    |   |   |        |
|----|---|---|--------|
| 1. | Interpretation of Clinical Parameters such as-<br>ECG, B.P.,Pulse, respiratory rates per and pos exercise, etc. | - | 1 mark |
|----|---|---|--------|

- |    |  |   |        |
|----|--|---|--------|
| 2. | Patient handling                             | - | 1 mark |
| 3. | Clinical reasoning                           | - | 1 mark |
| 4. | Problem solving                              | - | 1 mark |
| 5. | Remedial programme & Therapeutic application | - | 1 mark |

**O.T. in Medicine and Allied : (Neurology, Developmental disability, Cardio- Pulmonary, Psychiatry )**

- |    |   |   |         |
|----|---|---|---------|
| 1. | Patient handling  | - | 2 marks |
| 2. | Perceptual and cognitive testing  | - | 2 marks |
| 3. | Interpretation of clinical parameters such as<br>ECG, B.P., Pulse respiration pre and post exercise | - | 2 marks |
| 4. | Demonstration of neurophysiological treatment technique.  | - | 2 marks |
| 5. | Interpretation of projective activities in psychiatric patients                                     | - | 2 marks |

Candidates must conduct following procedures –

**Ergotherapeutic Procedure –**

- 1) A) Goniometry- Testing R. O. M.  
B) Coordination & balance  
C) Manual muscle Testing- strength & endurance assessment.  
D) Neuropsychological and perceptual assessment.  
E) Vicarious movement.
- 2) Hand function Testing : MRMT, Jebson Taylor Crawford small part dexterity test, Perdue Peg Board.
- 3) Analysis of gait and identify its deviations, mobility training.
- 4) Assessment and selection of appropriate play therapy.
- 5) Analyse activity by using different approaches ( biomechanical, sensory motor, psychodynamic)
- 6) Selection and application of generalised and specific principles of therapeutic exercises.
- 7) Use of appropriate functional model in A.D.L. evaluation. Use of scales and indices, specific training techniques prescribe modifications in environment home and work places, by considering socio -cultural and economic deviations.

- 8) Fabrication of splints and adapted devices for U.L., L.L/ & spine, using thermoplastic and other conventional material. Fabrication of functional braces and pylon.
- 9) Prescription of wheelchair & appropriate adaptations.

### **O.T in Medicine & Allied :**

#### **O. T. in Medicine, Neurology & Developmental Disability –**

*Must perform procedures*

- 1) Assess & Plan intervention program for common neurological & developmental disabilities using common standardised instruments.
- 2) Apply neurophysiological principles of treatment for pyramidal, extrapyramidal, cerebellar & lower motor neuron lesions.
- 3) Select & apply common neuropsychological techniques such as Rood, Brunstromme, Bobath, S. I. for normalization of tone & remediating.
- 4) Cognitive retraining using remedial & adaptive treatment approaches.
- 5) Teach the child for preschool training skills & refer to various specialised schools.
- 6) To prescribe home program for parental handling.

*Must assist procedures*

- 1) Detection of developmental delay using standardised instruments in neonatal follow up clinics.
- 2) Application of E.M.G. Biofeed back.

*Must observe procedures*

- 1) Use of standardised tools of assessment in NICU wards & NICU follow up clinics.
- 2) Disability evaluation.
- 3) Work fitness evaluation

### **O.T. in Medicine & Allied : Cardio pulmonary conditions :**

*Must perform procedures*

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- 1) Evaluate common clinical cardio pulmonary conditions.
- 2) Plan short term and long term goals for intervention.
- 3) Conduct bed mobilization & primary ICU therapy.
- 4) Interpret clinical parameters such as E.C.G., B.P., pulse, respiration, pre & post exercise therapy.
- 5) Detect adverse changes like pulmonary distress, abnormal, cardiac sounds while performing functional and work assessment procedures.
- 6) Conducting and administering exercise/ conditioning programs.
- 7) Prescribing home exercise schedule.
- 8) Advice energy conservation and work simplification techniques, modifications substitutions pertaining to performance.
- 9) Should be able to upgrade/ modify/exercise, work and activity modules.

*Must assist procedures*

- 1) Use of treadmills, ergometers, bench tests, step tests, work simulators etc .,Implementation of Yoga Therapy.

*Must observe procedures*

- 1) Disability evaluation and correlate it with functional indicis.

**O. T. in Surgery & Allied :**

*Must perform procedures*

1. Assessment and intervention planning for common surgical, orthopaedic, plastic surgery & hand Cases.
2. Evaluation of muscle power, R.O.M., Endurance & Hand functions using dynamometer, vigorimeter, tensiometer, Goniometers.
3. Use of various standardised hand function tests. Use of sensory fillaments, verniercallipers, volumeter etc.

4. Designing & fabrication of orthosis & adapted devices and its modifications as per the pathology.
5. Wheel chair prescription & designing.
6. Use of environmental modification techniques to overcome architectural barriers.
7. Identification and implementation of therapy program for cumulative trauma disorders.
8. Use of-mobility aids.

*Must assist procedures*

1. Use of pressure garments. .
2. Fabrication & designing of spinal orthosis using thermoplastic, material.
3. Work modification techniques.

*Must observe procedures*

1. Disability evaluation.
2. Job fitness.
3. Ergo therapeutic consultations.

**3) Community Occupational Therapy & Rehabilitation :**

*Must perform .procedures*

- 1) Be capable of conducting a survey & employ its findings as a measures towards arriving a community diagnosis
- 2) Use standardised instrument for disability screening and psychosocial analysis.
- 3) Diagnose and manage common clinical conditions at the individual family and community level.

*Must perform procedures*

- 4) Use epidemiology as a tool to make rational decision relevant to the community.
- 5) Administer situational and functional model of C.B.R.
- 6) Use appropriate technology.
- 7) Apply Occupational performance model as feasible.
- 8) Use various medias for community education to use preventive therapy.

- 9) Develop sustainable C.B.R. program for community.
- 10). Acquire managerial skills to effectively use consultive role & delegate duties community health workers. ,
- 11) To conduct wellness & health promotion programs within the frame work of client occupational roles.
- 12) Develop program for hospice patients & their care givers.
- 13) Implement O.T. program to improve quality of life in geriatric population. by using therapeutic approaches .

*Must assist procedures*

1. Departmental projects.
2. School screening surveys.
3. Work assessment & training in places of work as offices, factories etc.
4. Implementation of National Health Programmes.

*Must observe procedures*

- 1 Ergotherapeutic consultations based on ergonomic foundation for safety measures & energy conservation techniques at work places.
2. Modifications in furniture designs at work places using preventive model.

**4) Occupational Therapy in Psychiatry :**

*Must perform procedures*

1. Review case records use interviewing & projective techniques.
2. Clinical evaluation & observation of psychiatric patients
3. Plan implement remedial therapy for psychosocial conditions.
4. Cognitive and perceptual assessment of neuropsychiatry cases.
5. Implement stress management techniques.

### *Must assist procedures*

1. Participate in department's programmes in preventive psychosocial dysfunction.
2. Counselling and modification in work and milieu.
3. Participate in community based psychosocial rehabilitation.
4. Work fitness certification.

### *Must observe procedures*

1. Functioning of child guidance clinic, sheltered workshop & day Care centre.

## **LEAVE FOR INTERNS-**

An internee shall be entitled for maximum 6 days leave during six months period of internship posting. An internee will not be permitted to avail more than 2 days leave in any department. Period of leave in excess of 2 days in a department will have to be repeated in the same department. Under any circumstances this period will not be condoned by any authority.

## **Transfer of Internee to other Occupational Therapy college :**

For details of Internship Transfer please refer University Academic Notification No. 06/2012.

## **Issue of Internship completion certificate**

Internee will be issued internship completion certificate by the Dean / Principal only after completion of internship training programme satisfactorily.

## **Start of Internship programme**

The programme will commence within 10 days after the declaration of Final B.O.Th. result by the University. Before commencement of the Internship Training Programme the Dean/ Principal shall conduct three day Orientation Workshop to orient

the internees to get acquainted with the details of Internship Training Programme. The Orientation Workshop shall cover Disaster Management, Specific Emergency care of Patients, Hands- on, Medico-legal issues, Rehabilitation of patients, Internal Evaluation Scheme, Mandatory Skills to be acquired, Social and ethical aspects, National Health Policy, Patient Management. It shall be mandatory for the internees to attend the Orientation Workshop. The period of three days shall be included in the period of six months Internship.

Provided that the Internship Programme for the students passing the final examination of B.O.Th. course in May 2002 shall commence within a period of one week from the date of issuance of this Direction.

This direction shall remain in force until the University makes regulations in this behalf.

**Place : Nashik**  
**Date : 02 /08/2002**

**(Dr. D. G. Dongaonkar)**  
**Vice-Chancellor**

**FORMAT OF INTERNSHIP EVALUATION (For office use only)**

**Name :- \_\_\_\_\_ duration from \_\_\_\_\_ to \_\_\_\_\_**

**Assignment :- \_\_\_\_\_**

<b>SUMMATIVE EVALUATION</b>		<b>FORMATIVE EVALUATION</b>	
<b>MAXIMUM SCORE</b>	<b>5 each</b>	<b>MAXIMUM SCORE</b>	<b>5 each</b>
Punctuality		Cognitive ( Problem solving / clinical decision & reasoning / planning Treatment	
Attitude towards patients & colleagues/ Character		Physical Assessment Skills	
Urge for learning / Initiative		Skills of Treatment maneuvers	

Accountability / Responsibility		Skills of equipment handling	
Administrative ability ( records / maintenance of equipment)		Participation in Academic activities	
Total		Total	

**1: Poor**

**2 : Below Average**

**3 : Average -**

**4 : Good**

**5 : Excellent**

**Head of the Dept.**

**Dean/ Principal of the College**

**Minimum Grade required for passing** – Average of Overall score obtained from the respective assignment is to be considered. Minimum score for passing shall be - 3 : Average .

**INTERNSHIP COMPLETION CERTIFICATE TRAINING PROGRAMME B.O.Th.**

*This is to certify that ..... was a bonafide student of this College from ..... to ..... while pursuing B.O.Th. Course. He/She passed the Fourth B.O.Th examination of the Maharashtra University of Health Sciences, held in ..... and satisfactorily completed the Compulsory Rotatory Internship ( Six months Programme) from .....to ..... as per details with Provisional Registration No.....*

**Discipline :**

**Period Spend:**

**Grades**

1. Occupational Therapy in Musculoskeletal conditions
2. Occupational Therapy in Medicine & Neurosciences
3. Occupational Therapy in Mental Health
4. Community based Occupational Therapy
5. Occupational Therapy in Surgical Conditions

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 .....

6. *Occupational Therapy in Development Disabilities* .....  
7. *Effective* .....  
    *a.* .....  
    *b.* .....  
*Project Title :* .....

He/She is eligible for the award of the B.O.Th. degree of the University.

His/Her work, character and conduct during the stay in this Institution were found to be satisfactory as per records.

Seal  
of the  
College

Prof. & Head  
O.T. School

DEAN

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