



## **MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**

### ***New Fellowship/Certificate Courses***

- ❖ The following New Fellowship/Certificate Courses in Ayurved Faculty has been approved from the academic year 2010-11 by the Authorities of the University.

#### **Ayurved Faculty**

<b>Sr. No.</b>	<b>Title of the Course</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Syllabus</b>
1	Post Graduate Fellowship Course in Panchakarama	12 months	University degree of B.A.M.S recognized by any State Govt. & CCIM. The candidate will not be allowed to join any other course (Degree/PG Degree/Certificate /Diploma) simultaneously	<b>Yes</b>
2	Post Graduate Certificate Course in Panchakarama	12 months	B.A.M.S .( Internship should be completed before admission)	<b>Yes</b>
3	Short Tem Certificate Course in Ayurvedic Dietetics	3 months	10+2 (H.S.C.) or Equivalent	<b>Yes</b>
4	Certificate Course in Cultivation and Marketing of Ayurvedic Medicinal Plants	9 months		<b>Yes</b>
5	Certificate Course in Ayurvedic Cosmetics	6 moths	i)10+2 (H.S.C.) or Equivalent ii)Beauty Therapist Preferable	<b>Yes</b>
6	Certificate Course in Assistant Nursing in Ayurveda	9 months	S.S.C. Pass	<b>Yes</b>

- ❖ Desirous affiliated Ayurved Colleges/Recognized Institutes may apply in the prescribed format with prescribed fees to the University. For more details kindly see the University web site i.e. [www.muhsnashik.com](http://www.muhsnashik.com)

**Hon'ble Registrar**

# MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES

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## ★ Certificate Course ★

### *Title of the Course:*

“Post Graduate Certificate Course in  
Ksharsutra Chikitsa” (12 months)

### *SYLLABUS*

*Approved By :- BOS/Faculty & Academic Council*

**SCHEME OF CONDUCT OF POST GRADUATE CERTIFICATE COURSE IN  
KSHARSUTRA CHIKITSA.**

**Introduction:**

Ksharsutra Chikitsa remains the important therapy in Shalya Tantra. Many Scholars have shown their interest in learning the skills of this therapy. There are many mis-concepts and wrong practices regarding Ksharsutra Chikitsa. Perfect and specific knowledge of Ksharsutra Chikitsa with good practical training is necessary before practising Ksharsutra Chikitsa. Thus with an intention to provide scientific knowledge of this important ayurvedic therapy, a Certificate course is designed.

**Aims & Objects:**

- 1) To provide knowledge of Basic principles of ksharsutra Chikitsa .
- 2) To provide practical training in Ksharsutra Chikitsa.
- 3) To develop the skills in preparation and application of Ksharsutra ,specially in Anorectal disorders.
- 4) To Spread the Scientific knowledge and practice of ksharsutra amongst the expert practitioners, for welfare of society.

**Duration:** One year .

**Intake Capacity:** Maximum 25

**Fees Structure:** Tuition Fee, Registration fee, Library fee, Laboratory fee - As per University rules.

Hostel ,Mess and caution Money -fees -As per College rules

Examination fees - Rs.-1000

**Eligibility for Admission:** B.A.M.S .( Internship should be completed before admission)

**Eligibility for Teacher:**

- 1) M.S (Ayu),\M.D (Ayu)-Shalyatantra.

or

Ph.D in Shalya Tantra with Ten years teaching experience in Shalya Tantra.

- 2) M.U.H.S recognised P.G Teacher in Shalya Tantra.

**Age Limit-** upto 65yrs.

**Eligibility for Institute :**

1. Separate Anorectal OPD should be available
2. Separate Shalya IPD for male and female with all optimum facilities with adequate bed occupancy should be available.
3. Existing OT should be as per OT norms.

4. Anaesthetist must be available.
5. Separate section for ksharsutra must be available.
6. Minimum 5 Beds from Shalya IPD should be reserved for Ksharsutra.

**Language:** Marathi/ Hindi/ English

**Examination:** Theory & Practical- Both

**Academic Calendar:** I<sup>st</sup> term– June to December

II<sup>nd</sup> term- January to June

**Lectures:**

No of Theory Classes – at least 240 hours during the whole course -1class daily of 1 hour duration

No of Practical / Clinics - at least 720 hours during the whole course -1practical daily of 3hour duration

**Vacations:** As per University norms

**Number of Teachers required for the Course:** For 25 Students

- 1) 1 Professor
- 2) 1 Reader
- 3) 1 Lecturer

Guest lecture from Modern Medicine-Faculties and . the expert practitioners .

**Paramedical and non-teaching Staff required:** The Centre must fulfil, the norms prescribed by C.C.I.M.Delhi.

Sr. no	Staff	Required
1.	OT Sister	1
2.	OT Assistant	1
3.	Nursing staff	4
4.	Lab Technician	2
5.	Lab Assistant	1
6.	Clerk with Computer Operator	1
7.	X- ray Technician	1
8.	Ward Boy (1- Male & 1- Female)	2
9.	Aaya	3
10.	Sweeper	3
11	peon	3

**Infrastructure:** The Centre must fulfil, the norms prescribed by C.C.I.M.Delhi.

Sr. no.	Type of Infrastructure	Area (sq.foot) required
1.	Building	
	OPD	200
	IPD	600
	OT	200
2.	Classrooms (One for 20 Students)	100
3.	Library	500
4.	Laboratory	200
5.	Museum	200
6.	Rest Room, Recreation, etc.	250
7	Sterilisation room	
8	Washing room	
9	Ksharsutra Preparation room	

**Equipment & Instruments:**

Sr. no.	Type of Equipment & Instruments	Requirement
1.	Ksharsutra cabinet	1
2.	Ksharsutr atable	2
3.	Artery forcep straight	12
4.	Artery Forcep curved	12
5.	Allies Forcep	12
6.	B.P. Handle no.3	6
7.	B.P. Handle no.4	6
8.	Babcock Forcep	12
9.	Chittel Forcep	3
10.	Fistula Probe	2 set of 6
11.	Proctoscope	2 set(Rigid and Plastic)
12.	Mosquito Forcep Straight	12
13.	Mosquito Forcep curved	12
14.	Needle Holding Forcep	6
15.	Tooth Forcep	6
16.	Scissor- Medium size	3
17.	Scissor- Small size	3
18.	Scissor-moist	3
19.	Scissor-stich cutting	3
20.	Scissor-dressing	3
21.	Suction Cannula	1 set
22.	Towel Clip	12
23.	Glove Bag-Cloth	12
24.	Hole Towel	12
25.	Mask and cap-cloth	12 set
26.	Operation Sheet	25

27.	Operation Gown	12
28.	Drums-different size	9
29.	Light Source (Cold –Spot light)	2
30.	Anal Retractor	3 sets
31.	Curator-different sizes	6
32.	Plain Forcep	6
33.	Sponge Holder	12
34.	Pile Mass Holding Forcep	12
35.	Leg rest	12
36.	O.T.Table	01

### **Equipment in OT:**

<b>Sr. no.</b>	<b>Equipment</b>	<b>Required</b>
1.	Boyles Apparatus	1
2.	Steriliser	2
3.	Autoclave Machine	1
4.	Pulse Oxy-meter	1
5.	Cardiac Monitor	1
6.	B.P. Apparatus	1
7.	Stethoscope	2
8.	Ceiling ark lamp	1
9.	O <sub>2</sub> Cylinder-complete set	03
10.	O <sub>2</sub> Cylinder Stand	2
12.	Cautery Machine/ Diathermy Machine	2
13.	Operation table	2
14.	Operation trolley	2
15.	Meyos trolley	2
16.	Ambu Bag	1
17.	Suction Machine	1
18.	Laryngoscope set	1
19.	X-ray View Box	1
20.	Oxygen Rubber Mask	2
21.	Endo-tracheal Tube (Rubber)	20
22.	Generator for O.T.	1
23.	Fumigator	1
24.	Air conditioner	1
25.	Stretcher with Trolley	2
26.	Rubber band	2 set
27.	Video Endoscope(Desirable)	1 set
28.	I.R.C. (Desirable)	1
29.	Sphinctometer(Desirable)	1
30.	Different Needles	3 sets
31.	Different Surgical Barbour linen	1 set
32.	All types of Stitches Material	1 set each

## Syllabus:

- 1) Basic concepts of Ayurveda i.e. Dosh, Dhatu, Mala
- 2) History of Shalya tantra & Ksharsutra
- 3) Significance of Shalya tantra in Astanga Ayurved.
- 4) Ayurvedic aspect of Anatomy and physiology of Anal canal (Rachana and Kriya Sharir of Guda)
- 5) Applied Anatomy of rectum and anal canal and dissection
- 6) Applied Physiology of rectum and anal canal.
- 7) Congenital anomalies of rectum and anal canal i.e. imperforate Anus.
- 8) Concepts of Kshar.
- 9) Preparation of Kshar eg. Apamarga Kshar, Yavkshar etc.
- 10) Technique of Ksheer collection of various plants
- 11) Preparation of various kshar sutra, Ksheersutra
- 12) Standardization of Ksharsutra (Ph Guage, Sterilisation, packing)
- 13) Preparation of Kshar varti.
- 14) Mechanism of action of Ksharsutra.
- 15) Instruments required for Kshar sutra preparation and application.
- 16) Description of Ksharsutra Cabinet.
- 17) Common sign and symptoms of Ano-rectal diseases.
- 18) Examination of patients and Anorectal case.
- 19) Ayurvedic aspect of abscess and fistula in Ano (Classification, sign and symptoms of Bhagandara & Pidika)
- 20) Etiopathology and different classification of abscess and fistula-in-ano. (Modern View)
- 21) Diagnostic modalities regarding anorectal diseases, laboratory and investigations and scope (like Fistulogram, CT, MRI, Colonoscopy, USG, Ba. Enema study. Biopsy)
- 22) Management of Fistula-in-ano. / Bhagandar (Chaturvidha)  
(Role of different Ksharasutra in the management of fistula inano. )
- 23) Management of Fistula in ano (Modern view)
- 24) Anaesthesia for anorectal surgery
- 25) Problems and complications in Ksharsutra application and its management. (Merits and demerits of ksharsutra Therapy in the Management of Bhagandar.)

- 26) Etiopathology and different classification, signs and symptoms of Arsha./ Haemorrhoids – Ayurvedic view.
- 27) Etiopathology and different classification, signs and symptoms of Arsha./ Haemorrhoids – Modern view.
- 28) Ayurvedic management of Arsha/ Haemorrhoids. (Chaturvidha)
- 29) Modern management of Arsha/ Haemorrhoids.
- 30) Ayurvedic aspect of fissure in ano and its management (Parikartika)
- 31) Modern aspect of fissure in ano and its management.
- 32) General Anorectal diseases and its management.
- 33) Post-operative care and wound management during Ksharsutra therapy
- 34) Ksharsutra treatment in Paediatrics, anc cases
- 35) Ksharsutra treatment in various pedunculated growths and sinus
- 36) Management of rectal prolaps.
- 37) Set up of ideal Ksharsutra Therapy Centres.
- 38) Problems and complications in Ksharsutra application and its management.
- 39) Use of Ayurvedic and Modern drugs
- 40) Importance and applications of Pratisaraniya kshar in Anorectal Disease
- 41) Importance of Trividha Karm and its detail studies
- 42) Record keeping and medicolegal aspects
- 43) Sterilization and O.T.ethics
- 44) Serological condition and its management
- 45) Anorectal Diseases – i) Constipation ii) Pinodeal sinus iii) Proctocollitis iv) Puritisani v) Rectal Polyps vi) Anal warts vii) Condyloma and Papilloma viii) Hyper trophid Papilloma ix) SRUS. X) Ulcerative colitis xi) Chron's diseases xii) IBS xiii) Anorectal Ca
- 46) Management of Anorectal Emergency.

**Reference Books:**

- 1) Sushruta Samhita
- 2) Charak Samhita
- 3) Ashtang hridaya
- 4) Bhaishajya ratnawali
- 5) Bhavprakash Nighantu

- 6) Bailey and Love's short practice of Surgery.
- 7) Operative Surgery – S.Das
- 8) Farquharson's Textbook of Operative Surgery- Farquharson
- 9) Surgery of the Anus, Rectum and Colon Vol I & II – John Goligher
- 10) A Concise Textbook of Surgery- S. Das
- 11) A Manual on Clinical Surgery- S. Das Hamilton Bailey's
- 12) Demonstration of Physical signs in Clinical Surgery- Allan Clain
- 13) Pye's Surgical Handicraft- J kyle
- 14) A Textbook of Surgical Pathology – Illingworth and Dick
- 15) Lee McGregor's Synopsis of Surgical Anatomy- GAC Decker
- 16) Lee's Sypnosis of Anaesthesia - Kulwant Sing,
- 17) Surgetry on anusrectum & colon by John Goligher
- 18) SRB clinical methods in surgery by Sriram Bhat M.
- 19) Haemorrhoids by Dr Hemantkumar
- 20) Ksharsutra Therapy \_ Dr. P J Deshpande & Dr. Pathak
- 21) Monogram of Ksharsutra – Dr. K.K. Chopra
- 22) Evolution of Fistula in ano and its management by Piter lunnice & Robine Philips

**Assessment of Student: (Scheme of examination)**

1. Theory paper – 2Papers of 100 marks. each

MCQ – 25 Questions- 1marks each - 25 Marks

SAQ- 5out of 6 Questions- 5 marks each - 30 Marks

LAQ-3out of 4 Questions- 15 March each - 45 Marks

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**Total - 100Marks**

**Practical Examination .....**

**100 marks.**

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| 1. Case paper record (at least 50 cases) | 10 marks. |
| 2. Compilation .....                     | 10 marks. |
| 3. Long case .....                       | 20 marks. |
| 4. Short case .....                      | 10 marks. |
| 5. Instruments .....                     | 20 marks. |
| 6. Viva .....                            | 30 marks. |

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**Total - 100 Marks**