DPU
Dr. D. Y. PATIL VIDYAPEETH, PUNE
(DEEMED UNIVERSITY)

Syllabus for PG Surgical Specialties

2014-15
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OPHTHALMOLOGY
1.1: GOALS: -

1.1.1: The goals of post graduate medical education shall be to produce competent specialists and teachers.

1.1.2: Who shall recognize the health needs of the community, and carry out professional obligations ethically and in keeping with the objectives of the national policy.

1.1.3: Who shall have mastered most of the competencies, pertaining to the speciality, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system;

1.1.4: Who shall be aware of the contemporary advance and developments in the discipline concerned;

1.1.5: Who shall have required a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology;

1.1.6: Who shall develops skills as a self-directed learner, recognize continuing education needs; select & use appropriate learning resources.

1.1.7: Who shall learn basic concepts of research methodology & epidemiology and be able to critical analyze relevant published research literature.

1.2: OBJECTIVES :

1.2.1: To have competency based curriculum, with learning targeted to needs of community.

1.2.2: Objective should be to produce quality post-graduates full of knowledge, surgerical skill & self confidence.

1.2.3: It should be persistence with national policy & guidelines laid down by Medical Council of India (MCI)

1.3: INTEGRATION OF TEACHING

1.3.1: Postgraduate Medical Education in broad specialities shall be of three years duration in the case of degree course and two years in the case of Diploma course after MBBS and in the of
super specialities the duration shall be of 3 years after MD/MS with the exceptions wherever indicated.

1.3.2: Postgraduate curriculum shall be competency based.
1.3.3: Learning in postgraduate programme shall be essentially autonomous and self-directed.
1.3.4: A combination of both formative and summative assessment is vital for the successful completion of the PG programme.
1.3.5: A modular approach to the course curriculum is essential for achieving a systemic exposure to the various sub-specialities concerned with a discipline.

2: TRAINING SCHEDULE: -

2.1: The period of training for MS shall be three years viz. 6 academic terms of 6 months each after registration as Post-Graduate Student.

2.2: The period of training for DOMS course will be two years viz. 4 academic terms of 6 months each after registration as Post-Graduate student.

2.3: No exemption/concession in the above-mentioned period of training shall be granted.

3: METHODS OF TRAINING: -

3.1: The training of Post-Graduate for Degree/Diploma should be of the Residency pattern with patient care. The participation of the students in all facets of the educational process i.e. lectures, lecture-demonstration, symposia, seminars, journal clubs etc. should be insisted upon and training in basic medical sciences and laboratory and experimental work emphasized.

3.2: Candidate pursuing Degree/Diploma courses should work in the concerned department of the Institution for the full period on a full time basis.

3.3: In organization of Post-Graduate training, Clinical, Practical, laboratory, Clinico-Pathological conferences, post-mortem work, seminars, etc. and facilities offered by other Clinical
and Basic Sciences department should be made available to Post-Graduate students. The co-ordination Committee of the college will be responsible to implement a coordinated Post-Graduate training programme of lectures, lecture-demonstration, group discussions, seminars, clinical meetings, clinico-pathological programmes etc. The Post-Graduate departments should submit the departmental programme at the beginning of each academic term to the Co-ordination committee for approval.

3.4: During the course of studies the department should so arrange the training that the student should see large number of clinical cases, perform all types of minor and cataract operations & assist in all types of major eye operations so that at the end of the training period the student has acquired the knowledge and skills expected from a specialist in the field of ophthalmology.

3.5: The Post-Graduate students are required to keep record of their clinical, laboratory, operative work, etc., countersigned by teachers under whose guidance the work was done.

3.6: The Post-Graduate students should do emergency duties, night duties and attend work in causalities and wards pertaining to ophthalmology.

3.7: During the period of clinical training the Post-Graduate student should maintain regular contact with his/her thesis guide and while doing clinical training should continue the research work.

3.8: 80% attendance in the clinical posting is mandatory for grant of terms. The Post-Graduate students must keep record of work done. The Head of the Department is required to submit to the University through the Dean six monthly report of the work of the candidates.
4: LECTURE & SEMINAR:
4.1: The student must be kept abreast with the latest development in the field of medicine particularly in their own subject.
4.2: The teaching programme should be divided into following subheads to achieve team work as well as confidence in independent presentation.
4.3: Symposium - once a month by a team.
4.4: Seminar - once in two week by individual.
4.5: Journal club: once in two week
4.6: Long case presentation - once a week
4.7: Short & spot case discussions - once a week
4.8: Histo-pathological slides discussion - once in two week
4.9: Lecture demonstration by the faculty - once a month
4.10: Grand round of the wards - once a week
4.11: Theory test – once a month

5: DETAILED SYLLABUS:
5.1: Syllabus for PG in ophthalmology is attached as appendix “A” to this letter.

6: TITLE OF THE THEORY PAPERS WITH CONTENTS (M.S.)

6.1: Paper - I - Basic Sciences & Optics 3 Hrs 100 Marks
6.2: Paper - II - Ophthalmology Medicine And Surgery 3 Hrs 100 Marks
6.3: Paper - III - Ophthalmology related to Medicine & Surgery and Community Ophthalmology 3 Hrs 100 Marks
6.4: Paper - IV - Recent advances In Ophthalmology 3 Hrs 100 Marks

Total Marks 400

(Questions should be self explanatory & exhaustive)
6.5: PATTERN OF THEORY PAPERS: - for (M.S.)
6.5.1: Paper - I to IV

(a) Section 1 :-  2 LAQ  
   M.S.          25X 2 = 50
(b) Section 2 :-  5 Short Questions
   10 X 5 = 50

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Total                              100
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Total marks for theory for MS 400

7: PRACTICAL:

7.1: Clinical Cases: -

7.1.1: structured long case 1  100 marks
7.1.2: short case 2  50 marks each =100
7.1.3: ward rounds - 4  25 marks each=100
   4 cases (25 marks each)
(A spectrum of pre –operative, post-operative and emergency case scenarios)

7.1.3: Marks Distribution for clinical cases -

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<thead>
<tr>
<th></th>
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<th>Fundus</th>
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<tbody>
<tr>
<td>(a) Clinical Findings +Diagnosis</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>(b) Management &amp; Discussion</td>
<td>15</td>
<td>15</td>
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<td>© Over All Professional Competence</td>
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7.2: Viva :-

M.S.
7.2.1: Instruments & Surgical Viva - 25 Marks
7.2.2: Optics & Refraction - 25 Marks
7.2.3: Special Investigations Specimen, Slides, & X-rays, ultrasound B scan, CT scan, MRI - 25 Marks
7.2.4: Ocular Therapeutics - 25 Marks

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Total 100 Marks
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- Clinical cases 300, Viva100, total marks 400 for MS

8: THESIS / DISSERTATION: -

8.1: Aims: To instil spirit of scientific enquiry
8.2: Objectives:
   8.2.1: To teach the basic concept of research methodology & epidemiology, to train the student to critically analyze relevant published research papers

8.3: General Guidelines:

8.3.1: The thesis/dissertation is compulsory for candidates registered for M.S.
8.3.2: The subject of thesis along with a synopsis (about 200 words) countersigned by the Post Graduate teacher, Head of the Department and the Head of the Institution should be submitted to the University within 4 months of registration as Post Graduate student. A penalty of Rs 50/- will be levied after the due date.
8.3.3: The subject and plan of work of the thesis should not be same as that of a thesis, which has been accepted by the University in the past three years.
8.3.4: If a work required for the thesis entails collaboration with other department or specialties, the collaborative portion of work will be supervised by a co-guide designated by the Head of the institution. A co-guide should normally be a Post-Graduate teacher in his own specialty. In cases where there is guide and a co-guide for a thesis, the certificate required for submission of the thesis should be signed both by the guide and the co-guide.

8.3.5: The subject of thesis should as far as possible reflect the research priorities of the Post-Graduate department where the work is being done. The Dean of the college while submitting the topic of thesis to the University for approval should make sure that the institution provides all facilities for the research work.

8.3.6: The candidate should submit to the University six monthly progress report of thesis and his other Post-Graduate work through his Post-Graduate teacher, Head of the Department and the Head of Institution.

8.3.7: If the progress of a candidate’s work including thesis work is not satisfactory, the University on recommendation of Head of the Department, Head of the Institution and the Dean of faculty of Medicine may not grant that particular term and the period of training will be extended by the number of terms not granted.

8.3.8: Should be submitted to the University 6 months before the date of written, oral, clinical, practical examination. Approval of thesis is a precondition for permission to appear in the rest of the examination.

8.3.9: The thesis will be examined for acceptance by two examiners one internal and one external. Each will assign marks out of 100. The examiners will send the marks directly to the University. To qualify for appearing in the theory, clinical and practical parts of the exam. Candidate must receive a minimum of 50 marks out of 100 from each
examiner. Thesis marks however, will not be taken into
consideration in the final mark sheet.

8.3.10: If a student has submitted his examination form as also his
thesis previously, he will be permitted to take examination
within a period of 4 years any time in future provided the
thesis has been accepted. The terms satisfactorily kept by
him/her are valid in future, only for a period of 4 years
subsequent to submission of his/her thesis after which
he/she will have to undergo Post-Graduate training again
for 4 terms to be eligible for appearing for the theory,
clinical and practical examination.

9: METHOD OF EVALUATION OF STUDENTS :
Nil suggested as common scheme of evaluation of student have
already been formed & approved by faculty of medicine as
mentioned in your letter. However internal assessment scheme is
recommended as below:

9.1: Internal Assessment Protocol
There should internal assessment at the end of each semester for
degree students.
The marks allotted in each semester out of total 80 should be as
follows :

<table>
<thead>
<tr>
<th></th>
<th>THEORY</th>
<th>PRACTICAL</th>
<th>OVERALL PERFORMANCE</th>
<th>MS TOTAL MARKS</th>
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<tbody>
<tr>
<td>AT THE END OF 1st YEAR</td>
<td>10</td>
<td>10</td>
<td>5</td>
<td>25</td>
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<td>AT THE END OF 2nd YEAR</td>
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<tr>
<td>AT THE END OF 3rd YEAR</td>
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<td>Total</td>
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