

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI-32

REGULATIONS OF THE UNIVERSITY

In exercise of the powers conferred by Section 44 of the Tamil Nadu Dr.M.G.R.Medical University, Chennai Act 1987 (Tamil Nadu Act 37 of 1987) the Standing Academic Board of the Tamil Nadu Dr.M.G.R.Medical University, Chennai hereby makes the following regulations:-

1. SHORT TITLE AND COMMENCEMENT:-

These regulations shall be called as “THE REGULATIONS FOR THE MASTER OF SCIENCE (**REGENERATIVE MEDICINE**) OF THE TAMIL NADU Dr. MGR MEDICAL UNIVERSITY, CHENNAI”.

They shall come into force from the academic year 2013-2014 onwards.

The Regulations and the Syllabus framed are subject to modification by the Standing Academic Board from time to time.

2. ELIGIBILITY:

The candidates who possess Degree in the following are eligible to get admitted into the course of M.Sc. (Regenerative Medicine):

1. MBBS from Medical Council of India recognized Institutions.
2. BDS from Dental Council of India recognized Institutions.
3. B.V.Sc from Veterinary Council of India recognized Institutions.
4. B.E Biotechnology/ B. Tech Biotechnology from UGC Recognized Universities with atleast one year experience in Regenerative Medicine and one publication in Regenerative Medicine in a peer reviewed journal.
5. B.Sc/ Undergraduate degree with Biological Science subject as the major subject from UGC Recognized Universities with atleast two year experience and two publications in Regenerative Medicine in peer reviewed journals. Preference will be given for B. Sc (Zoology/ Microbiology/Genetics/ Immunology/ Molecular Biology / Biotechnology/Biochemistry/Bioinformatics/Biomedical Sciences).
6. M.Sc/ Post Graduate degree with Biological Science subject as the major subject from UGC Recognized Universities with atleast one year experience in Regenerative Medicine or two publications in Regenerative Medicine in peer reviewed journals. Preference will be given for M.Sc., (Anatomy/Physiology/Pharmacology/Microbiology/ Biotechnology/Molecular Biology/Zoology/ Genetics/ Immunology/ Biochemistry/Bioinformatics/Biomedical Sciences)

Candidates must possess a minimum of 55% marks in aggregate.

3. PHYSICAL FITNESS CERTIFICATE:

Every candidate before admission to the course shall submit to the Institution, a Certificate of Medical Fitness from an Authorised Medical Officer that the candidate is physically fit to undergo the academic course and does not suffer from any disability or contagious disease.

4. ELIGIBILITY CERTIFICATE

The candidate who has passed any qualifying examination as stated in Regulation No.2 above other than the Tamil Nadu Dr. MGR Medical University shall obtain an "Eligibility Certificate" from this University by remitting the prescribed fee along with the application form and required documents before seeking admission to anyone of the affiliated medical institutions.

5. REGISTRATION:

A Candidate admitted in the Master of Science (Regenerative Medicine) course in any one of the affiliated institutions of this University shall register his / her name in the prescribed application form for registration duly filled, along with the prescribed fee and declaration taking in the format, as in Annexure

I. The application for registration is to be submitted to the Controller of Examinations through the affiliated institutions within 30 days from the cut off date prescribed for admission.

6. DURATION OF THE COURSE:

a. The period of certified study and training of the M.Sc., (Regenerative Medicine) course shall be two academic years for award of degree.

b. No exemption shall be given from this period of study and training for any other experience gained prior to the admission of the course.

7. COMMENCEMENT OF THE COURSE:

The course shall commence from May 1st and October 1st of the academic year and the candidates admitted upto May 31st and October 31st will be registered for the course.

8. COMMENCEMENT OF THE EXAMINATIONS:

15th April/ 15th October

If the date of commencement of examination falls on Saturdays / Sundays or declared Public Holidays, the examination shall begin on the next working day. The University paper will be awarded for 100 marks and Internal 50 marks.

9. CUT-OFF DATE FOR ADMISSION TO EXAMINATIONS:

The candidates admitted upto 31st May and 31st October shall be registered to take up their First Year examinations after fulfilment of the regulations from April of the next year.

All kinds of admissions shall be completed on or before 31st May and 31st October of the academic year. There shall not be any admissions after 31st May and 31st October , even if seats are vacant.

10. CURRICULUM:

The Curriculum and the syllabus for the course shall be as prescribed by the Standing Academic Board from time to time.

11. MEDIUM OF INSTRUCTION:

English shall be the Medium of Instruction for all the Subjects of study as for examinations of the M.Sc., (Regenerative Medicine) course.

12. WORKING DAYS IN THE ACADEMIC YEAR:

Each academic year shall consist of not less than 270 working days

Total No. of days in a year	365 days
No. of weekly off (Sundays) - 52 days	
No. of Government Holidays - 22 days	
No. of Holidays - 21 days	
-----	95 days

Total No. of working days including examination period	270 days

13. ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATIONS:

(a) No candidate shall be permitted to appear in any one of the parts of M.Sc. (Regenerative Medicine) course in Examinations unless he/she has attended the course in all the subjects for the prescribed period in an affiliated institution recognized by this University and produce the necessary certificate of study, attendance and satisfactory conduct from the Head of the institution.

(b) A candidate is required to put in a minimum of 90% of attendance out of 270 working days in both theory and practical separately in each subject before admission to the examinations. This 270 working days of attendance is required for Non clinical specialities

(c) A candidate lacking in the prescribed attendance and progress in any one subject in theory and practical wherever necessary in the first appearance shall not be permitted for admission to the entire examinations.

14. CONDONATION OF LACK OF ATTENDANCE:

There shall be no condonation of lack of attendance.

15. SCHEME OF EXAMINATION

I year									
S.No	Subject Name	Internal Assessment (IA)		Theory		Practical		Viva	
		Max	Min	Max	Min	Max	Min	Max	Min
1	Basics in Human Biology	50	25	100	50	100	50	50	25
2	Cell and Molecular Biology	50	25	100	50	100	50	50	25
3	Microbiology, pathology and Immunology	50	25	100	50	100	50	50	25
4	Genetics, Bioinformatics and Nanotechnology	50	25	100	50	100	50	50	25
Four Journal Club and Four Seminar presentations (One in each subject) compulsory for Internal Assessment									
II year									
S.No	Subject Name	Internal Assessment (IA)		Theory		Practical		Viva	
		Max	Min	Max	Min	Max	Min	Max	Min
1	Cell Culture basics and Protocols	50	25	100	50	100	50	50	25
2	Stem Cells and Tissue Engineering	50	25	100	50	100	50	50	25
3	BioStatistics and Research Methodology, Ethics and Regulatory Approvals	50	25	100	50	100	50	50	25
4	Applied Regenerative Medicine and Recent Advances in Regenerative Medicine	50	25	100	50	100	50	50	25

Four Journal Club and Four Seminar presentations (One in each subject) compulsory for Internal Assessment
Thesis/ Project- 200 Marks; Viva Voce/presentation - 100 marks

EXAMINATIONS :- THEORY AND PRACTICALS

Candidate needs to get a pass mark separately in Theory, Internal Assessment and Practical Exams in each subject. If the student fails in any of the subject, he/she has to appear for that subject in the consecutive October Examinations. Only on passing all the subjects in the first year will the student be eligible to continue the second year. Degree Certificate and Course Completion Certificates will be awarded only when the student passes in all the subjects.

16. INTERNAL ASSESSMENT MARKS:

Marks for Internal Assessment for each subject will be given by the H.O.D. three times a year.

17. DISSERTATION

- a. A candidate shall present and defend his/her dissertation at the end of the second year of his/her study and shall be subjected to a Viva-Voce on his/her dissertation.
- b. "The Dissertation/thesis shall be a bound volume of minimum 50 pages and not exceeding 75 pages of typed matter(Double line spacing and on one side only) excluding certification, acknowledgments, annexures and Bibliography.
- c. 4 copies of dissertation shall be submitted 2 months prior to the commencement of the examination on the prescribed date to the Controller of Examination of this University.

18. EVALUATION OF DISSERTATION:

Evaluation will be at the time of examination during which marks are given. 200 Marks for dissertation, 100 marks for Viva/Presentation. Minimum passing mark is 150.

19. MARKS QUALIFYING FOR A PASS:

A candidate shall be declared to have passed the examination if he/she obtains the following qualifying marks:-

Theory : 50%
Practical : 50%
IA: 50%
Overall: 50%

20. REVALUATION OF ANSWER PAPERS:

Revaluation of the answer papers of the failed candidates in any Post- Graduate examination is not permitted.

21. TRAINING IN OUTSIDE CENTRES:

During the second year, the candidates shall work on their Dissertation/Thesis, after approval of the protocol by the Guide and the Head of the Institute/Course Director. The Head of the Institute/ Head of the Institute/Course Director shall write to the Colleges/Institutions having facilities for Project Work and get their consent in writing and then make necessary arrangements for deputing the students under intimation to the Controller of Examinations. Such Project Work done by a student shall be certified by the Supervisor and Head of the Institution who will send it to the Controller of Examinations through proper channel.

The attendance will be forwarded directly to the Controller of Examinations

22. MAINTENANCE OF LOG BOOK:

- a) The candidate should participate in the teaching and training programme of Undergraduate students.
- b) In addition, the Head of the Department shall involve their Postgraduate candidates in Seminars, Journal club meets, Conferences, Group Discussions, etc.
- c) During the second year, the candidate shall maintain a log book of activities in connection with the dissertation
- d) The Head of the Department shall scrutinize and certify the Log Book once in every three months
- e) At the end of the course, the candidate should summarize the contents and get the Log Book certified by the Head of the Department
- f) The Log Book should be submitted at the time of practical examination for the scrutiny of the Examiners.

23. NUMBER OF APPEARANCES:

- a) A candidate registered for Two Years Post Graduate Degree Course must qualify in the Examinations within four years of the date of his/her admission.
- b) The Candidate should submit a certificate of study and training from the Course Director to the Controller of Examinations along with his/her application for every subsequent examination.
- c) However, a candidate may be permitted to undergo a further period of study and training of minimum six months duration in a recognized Post- Graduate Department in the Speciality in an Institution affiliated to this University.
- d) Part – II can be attempted only one year after appearing for Part – I. The candidate must have cleared Part – I before appearing for thesis defence.
- e) If the candidate does not complete Part – I in three years, he/she will not be eligible to continue.
- f) The candidates will not be permitted to appear for more than 5 attempts in the final examinations and shall be discharged from the course if he/she fails to pass Examination in the said number of attempts.

24. DURATION FOR COMPLETION OF THE COURSE OF STUDY:

The duration for the completion of the course shall be fixed as double the time of the course and the students have to pass within the said period otherwise they have to get fresh admission.

25. AWARD OF DISTINCTION AND RANKS:

Distinction will be awarded to successful candidates who secure 75% marks or more as a course aggregate without any failure.

The names of these candidates at the end of the course will be published in the Tamil Nadu Govt. Gazette. Also the details will be published in the University website.

26. RE-ADMISSION AFTER BREAK OF STUDY:

Please refer to the Separate Regulations for Re-admission after break of study for all courses.

27. MIGRATION/TRANSFER OF CANDIDATES:

Migration/Transfer of candidates from one recognized college to another recognized college of this University or from another University shall not be granted.

28. VACATION:

There is no vacation.

29. AWARD OF MEDALS AND PRIZES:

The University shall award at its Convocation, Medals and prizes to outstanding candidates as and when instituted by the donors as per the schedule prescribed for the award.

30. AUTHORITY TO ISSUE TRANSCRIPT:

The University shall be the Authority for issuing Transcript after remitting the prescribed fee or as may be prescribed from time to time.