THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI -600 032

REGULATIONS OF THE UNIVERSITY

(Post-graduate Degree course under Allied Health Science)

M. Sc NUCLEAR MEDICINE TECHNOLOGY (2 YEARS)

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 **"M.Sc NUCLEAR MEDICINE TECHNOLOGY"** of theTamil Nadu Dr. MGR Medical University, Chennai.

They shall come into force from the academic year 2018-2019
The regulations framed are subject to modification by the Standing Academic board from timeto time.

2. OVERALL OBJECTIVES:

1. To acquire adequate knowledge and technical skills for the use of sophisticated instruments such as Gamma cameras, Thyroid Uptake probes, PET Scanners, Cyclotron, dedicated software to generate digital images and preparation of radiopharmaceuticals as applied to patient care.
2. Enrich their knowledge of Medical Physics, Molecular imaging invitro studies and theranostics.
3. Develop research activities on newer radiopharmaceuticals related to SPEC-CT.PET, CT and Cyclotron.
4. Develop compassionate approach towards the needs of patients.

3. ELIGIBILITY FOR ADMISSION:

1. B.Sc. Nuclear Medicine Technology
2. Bachelors Degree in Science with DMRIT(as per latest AERB norms for Nuclear Medicine Technology qualification)

4. AGE LIMIT:

No upper age limit for Admission

5. ELIGIBILITY CERTIFICATE:

Candidates who have passed any qualifying examination as stated in (3) other than the TamilNadu Dr. M.G.R. Medical University shall obtain an "Eligibility Certificate" from this University by remitting the prescribed fees along with the application form and required documents before seeking admission to any one of the affiliated institutions. The applicationform is available in the University website: web.tnmgrmu.ac.in.

6. REGISTRATION:

A Candidate admitted to **M.Sc NUCLEAR MEDICINE TECHNOLOGY** under allied health sciences in any one of the affiliated institutions of this University shall register his / her name with this university by submitting the prescribed application form for registration dulyfilled in along with the prescribed fee and a declaration in the format to the Controller of Examinations of this University through the affiliated institution within 3 Months from the cutoff date prescribed for the course for admission. The applications should bear the date of admission to the said course.

7. MIGRATION/TRANSFER OF CANDIDATE:

(a) A student studying in **M.Sc NUCLEAR MEDICINE TECHNOLOGY COURSE** under allied health sciences can be allowed to migrate / transfer to anotherinstitution of Allied Health Science under the same University.

(b) Migration / Transfer can be allowed to another affiliated institutions under extraordinary circumstances. The Vice - Chancellor has the power to issue Migration / Transfer order.

8. COMMENCEMENT OF THE COURSE:

The course shall commence from **1st September** of the academic year. Cut off date forAdmission is **30th September** every year.

9. MEDIUM OF INSTRUCTION:

English shall be the Medium of Instruction for all the Subjects of study and for examinations of the **M.Sc NUCLEAR MEDICINE TECHNOLOGY COURSE** under allied health sciences.

10. CURRICULUM:

The Curriculum and the syllabus for the course shall be as prescribed in these regulations andare subject to modifications by the Standing Academic Board from time to time.

11. DURATION OF THE COURSE:

The duration of certified study for the **M.Sc NUCLEAR MEDICINE TECHNOLOGY COURSES** under allied health sciences shall be **Two** years. The admitted candidates should complete this course within 4 years (double the duration) from the date of joining the course.

12. RE-ADMISSION AFTER BREAK OF STUDY:

The regulations for re-admission are as per the University Common Regulation for Re-admissionafter break of study for all courses.

13. . WORKING DAYS IN THE ACADEMIC YEAR:

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

14. ATTENDANCE REQUIRED FOR ADMISSION / EXAMINATION:

(a) No candidate shall be permitted to appear in any one of the parts of **M.Sc NUCLEAR MEDICINE TECHNOLOGY COURSE UNDER ALLIED HEALTH SCIENCES** Examinations unless he/she has attended the course in the subject 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 85% of attendance in both theory and practical separately in each subject before admission to the examinations.

15. CONDONATION OF LACK OF ATTENDANCE:

There shall be no condonation of lack of attendance.

16. INTERNAL ASSESSMENT MARKS:

The Internal Assessment should consist of the following points for evaluation:-

i) Theory

ii)Practical

(a) A minimum of three written examinations shall be conducted in each subject during a year and the average marks of the three performances shall be taken into consideration for the award of Internal Assessment marks.

17. CUT-OFF DATES FOR ADMISSION TO EXAMINATIONS:

1. **30th September** of the academic year concerned for Admission.

2. The candidates admitted up to **30th September** of the academic year shall be registered to take upthe **1st year examination during October of the next year**.

18. COMMENCEMENT OF THE EXAMINATIONS:

15th October / 15 April

If the date of commencement of examination falls on Saturdays / Sundays or declared Public Holidays, the examination shall begin on the next working day.

19. MARKS QUALIFYING FOR PASS:

50% of marks in the University Theory Examinations50% of

marks in the Practical with Viva

50% of marks in aggregate in Theory, I.A & oral taken together.

20. REVALUATION / RETOTALLING OF ANSWER PAPERS:

Re - totaling / Revaluation of answer papers is not permitted.

21. VACATION:

There is no vacation

22. SCHEME OF EXAMINATIONS:

First Year

S.NO	SUBJECT TITLE	IA		THEORY	
		Max.	**Min.**	**Max.**	**Min.**
1	Anatomy, Physiology, & Biochemistry	50	25	100	50
2	Computers, Fundamentals of Electricity and Electronics	50	25	100	50
3	Mathematics & Statistics	50	25	100	50
4	Radiation Physics & Radiation Chemistry	50	25	100	50
5	Radiation Biology	50	25	100	50
6	Nuclear Medicine Instrumentation – I	50	25	100	50
7	Radiopharmacy – I	50	25	100	50
8	Clinical Nuclear Medicine Techniques I	50	25	100	50

Second year

S.NO	SUBJECT TITLE	IA		THEORY	
		Max.	**Min.**	**Max.**	**Min.**
1	Nuclear Medicine Instrumentation – II MRI, PET & SPECT	50	25	100	50
2	Clinical Nuclear Medicine Techniques - II	50	25	100	50
3	Therapeutic Nuclear Medicine Techniques	50	25	100	50
4	Quality Control of Nuclear Medicine Equipment	50	25	100	50
5	Radiopharmacy – II	50	25	100	50
6	Health Physics and Radiation Protection	50	25	100	50

Theory Examination Pattern

Max. Marks: 100

Part – A (2 x 20) = 40 Marks

Part – B (10 X 6) = 60 Marks

Duration : 3hours

	Max	Min
Project*	100	50
Viva / Practical	100	50
I. A	50	25

- The Final project should include a work component

23. Submission of Project:

1. Project should be in a bound volume of a minimum of 30 - 50 pages of typed in Double line spacing and on one side only.

2. The Project should be submitted to the Institution 3 months before the Second Year Examination.

24. Log Book:

Based on the curriculum Log Book to be maintained and the same are periodically, assessed bythe HOD and presented at the time of discussion of project in Practical Examination.

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