



TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY

PROSPECTUS FOR POSTGRADUATE DEGREE / DIPLOMA COURSES 2009-2010

INTRODUCTION

Realising the importance of Education, Research and Extension activities in Veterinary and Animal Sciences and recognising the impact created on animal production, a separate University for Veterinary and Animal Sciences namely Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), the first of its kind in India was established in 1989. The TANUVAS has three constituent colleges namely, **Madras Veterinary College at Chennai, Veterinary College and Research Institute at Namakkal and Fisheries College and Research Institute at Thoothukudi.** In addition to the three constituent colleges, the Tamil Nadu Veterinary and Animal Sciences University has five Research Farms, 16 Veterinary University Training and Research Centres, three Krishi Vigyan Kendras and three Farmers Training Centres, one Veterinary University Regional Research Centre and an Institute of Food and Dairy Technology to take care of research and extension needs of the farming community.

MADRAS VETERINARY COLLEGE

Madras Veterinary College was started in 1903 and it offered the diploma course as Graduate of Madras Veterinary College (GMVC). It has the unique privilege of being the first Veterinary College to be affiliated to a University (University of Madras) for the award of the degree of Bachelor of Veterinary Science (B.V.Sc.) as early as 1936 and later it was recognised as a Centre for Research leading to M.Sc. and Ph.D. degrees. On the recommendation of the Indo-American team of Agricultural Research and Education, this college was upgraded as a Southern Regional Centre for Postgraduate Education and Research in 1958. The Master of Veterinary Science (M.V.Sc.) degree course in various subjects was offered in a phased manner. In 1969, this Institution was made into a separate Directorate of Veterinary Education and Research, which was a unique feature in the field of veterinary education in India. In 1974, this college was academically affiliated to the Tamil Nadu Agricultural University and from 1976 it became a regular constituent college of the same University till 1989. **Apart from B.V.Sc. & A.H. degree course, B.Tech. (Food Processing Technology), M.V.Sc. and Ph.D. degree courses, M.Phil. and Postgraduate Diploma Courses are also offered in this college.**

VETERINARY COLLEGE AND RESEARCH INSTITUTE

The Veterinary College and Research Institute, Namakkal was established in the year 1985. This College became a constituent College of Tamil Nadu Veterinary and Animal Sciences University, Chennai in the year 1989.

Post Graduate Programme (M.V.Sc.) was started in this College in the year 1993 and Ph.D programme was started from the academic year 1995-96 onwards.

FISHERIES COLLEGE AND RESEARCH INSTITUTE

The Fisheries College was established at Thoothukudi in 1977 and it was brought under Tamil Nadu Veterinary and Animal Sciences University with effect from 20th September 1989, the date on which this University was formed. This College was renamed as Fisheries College and Research Institute in 1990. The Institute functions in two campuses, viz., Main Campus and Shore laboratory. The Post Graduate Programme in M.F.Sc. was introduced during 1982. The Post Graduate Programme in Ph.D. was introduced during 1989. The Post Graduate Diploma in Fish Quality Management course has been introduced from 2009-2010.

DETAILS OF VARIOUS POSTGRADUATE DEGREE/ DIPLOMA COURSES

Details of various Postgraduate degree courses at Masters and Doctoral level, offered in the University and number of seats available in each discipline during this year are furnished in the Annexure.

I. M.V.Sc. / M.F.Sc. DEGREE COURSES

A) Eligibility criteria for admission

- ❖ Candidates possessing a B.V.Sc. & A.H. / B.F.Sc. degree of Tamil Nadu Veterinary and Animal Sciences University or any other University recognized as equivalent thereof shall be eligible to apply.
- ❖ Only 75% of the admission strength for the year is available for the candidates from Tamil Nadu. The remaining 25% is reserved for candidates from other states through ICAR. If there are any unfilled seats, in state quota, the same will be filled with **candidates from other states who have applied and appeared for the entrance examination conducted by the University**. The candidates from other states will be considered for admission by maintaining a separate rank list only against the vacancies that may arise from the state quota.
- ❖ Candidates from other states cannot claim admission in the quota reserved for Tamil Nadu state candidates as a matter of right on the basis of merit.
- ❖ Candidates who are seeking admission under Tamil Nadu state quota to the M.V.Sc. / M.F.Sc. degree courses excepting those who have undergone Undergraduate degree course (B.V.Sc. & A.H./ B.F.Sc.) in Tamil Nadu on selection from Tamil Nadu state quota should furnish a Nativity Certificate issued by the competent authority in the prescribed format in the application form.
- ❖ Candidates with an OGPA of 3.00 out of 4.00 under trimester system or 7.0 out of 10.0 or 70% aggregate under semester pattern alone are eligible to apply for admission to M.V.Sc./ M.F.Sc. degree programme. Candidates who have studied under conventional system should possess a minimum of 55% marks in their Bachelor's degree. Candidates who have passed B.V.Sc. & A.H. degree under the Veterinary Council of India (VCI) regulations should have obtained a minimum of 55% marks. For SC/ST candidates a minimum pass is sufficient.

B) Mode of selection

- ❖ The selection of candidates for admission to M.V.Sc./ M.F.Sc. degree courses shall be done on the basis of the marks obtained in the Common Entrance Examination and the qualifying examination marks obtained in the B.V.Sc. & A.H., / B.F.Sc., courses.

The distribution of marks is as follows:

Common Entrance Examination marks	:	100
Qualifying examination (B.V.Sc. & A.H. / B.F.Sc.) marks	:	100

Total Marks	:	200

- ❖ Based on the marks obtained, The Chairman, Admission Committee (PG) will draw a merit list separately for Tamil Nadu State candidates and candidates from other states and publish it at Madras Veterinary College, Chennai – 600 007.
- ❖ In case of equal total marks, ranking will be done in the merit list based on the marks secured in the Common Entrance Examination alone. In case of further tie, the date of birth of candidates will be considered and older candidate shall be placed first than the younger candidate.
- ❖ The eligible candidates will be called for Counselling as per the merit list. Candidates securing less than 50% of total marks shall not be called for Counselling. SC/ST candidates securing less than 40% of total marks shall not be called for Counselling .

C) Common Entrance Examination

- ❖ The Common Entrance Examination for M.V.Sc. / M.F.Sc. admission will be of undergraduate level covering the subjects taught and will contain 200 objective type questions with four responses. Each question will carry 0.5 mark and the maximum marks will be 100. The examination will be of three-hours duration.
- ❖ Answer should be shaded with a ball-point pen in the OMR coding sheet as per the instructions given in the OMR coding sheet.
- ❖ The Entrance Examination Hall Ticket and Counselling information letter will be sent only to the eligible candidates.
- ❖ Admission to Entrance Examination does not confer on the candidate the right of admission to the course.
- ❖ Candidates appearing for the Entrance Examination will have to come to the Examination Centre on their own expense and make their own arrangement for stay.
- ❖ Candidates coming 30 minutes after the commencement of the Entrance Examination and also not possessing the hall ticket will not be permitted to appear for the Entrance Examination.
- ❖ No candidate shall be allowed to leave the examination hall before 30 minutes of closure of the entrance examination. Once a candidate leaves the hall, he/she will not be permitted to enter the examination hall again.

The details of number of questions in each subject are as shown below:

1. M.V.Sc. Degree Programme

Sl. No.	Subjects	No. of Questions
1	Veterinary Anatomy and Histology	12
2	Animal Genetics and Breeding	12
3	Animal Husbandry Economics	5
4	Veterinary and Animal Husbandry Extension	5
5	Animal Nutrition	12
6	Veterinary Clinical Medicine, Ethics and Jurisprudence	15
7	Dairy Science	10
8	Livestock Production and Management	10
9	Meat Science and Technology	10
10	Animal Reproduction, Gynaecology and Obstetrics	14
11	Veterinary Parasitology	12
12	Veterinary Pharmacology and Toxicology	12
13	Poultry Science	7
14	Veterinary Epidemiology and Preventive Medicine	10
15	Veterinary Surgery and Radiology	15
16	Veterinary Microbiology	15
17	Veterinary Pathology	12
18	Veterinary Physiology and Biochemistry	12
	Total	200

2. M.F.Sc. Degree Programme

Sl. No.	Subjects	No. of Questions
1	Fisheries Biology	25
2	Aquaculture	40
3	Fishing Technology and Fisheries Engineering	25
4	Industrial Fish Processing Technology	45
5	Fisheries Environment	25
6	Fisheries Economics and Management	20
7	Fisheries Extension	20
	Total	200

D) Counselling procedure

- ❖ Eligible candidates called for Counselling as per the rank, can choose any one of the disciplines and campus available for M.V.Sc./ M.F.Sc. course at the time of Counselling. Alternatively, they can opt to remain in the waiting list. If a candidate desires to be in the waiting list, he/she will not be given any firm seat in other disciplines. The waiting list will be filled by second Counselling based on merit.

E) Other rules for M.V.Sc./M.F.Sc. Degree courses

- ❖ Candidates who had registered for M.V.Sc./ M.F.Sc. degree programme and discontinued without prior permission of the University are not eligible to seek readmission.

II. Ph.D. DEGREE COURSES

A) Eligibility criteria for admission

- ❖ Only 75% of the admission strength for the year is available for the candidates from Tamil Nadu. The remaining 25% is reserved for candidates from other states. If there are any unfilled seats under Tamil Nadu state quota, the same will be filled with candidates of other states by maintaining a separate merit list. **All candidates should apply and appear for the entrance examination conducted by the University.**
- ❖ Candidates who are seeking admission under Tamil Nadu state quota to the Ph.D., Degree Programme except those who have undergone Undergraduate Degree course (B.V.Sc. & A.H./ B.F.Sc.) in Tamil Nadu on selection from Tamil Nadu state quota should furnish a Nativity Certificate issued by the competent authority in the prescribed format in the application form.
- ❖ Candidates with an OGPA of 3.00 out of 4.00 under trimester system or 7.0 out of 10.0 under semester system or 70% aggregate in the Masters degree alone are eligible to apply for admission to Ph.D. degree programme in Veterinary and Fisheries Sciences. For SC/ST candidates, a minimum pass is sufficient.
- ❖ Candidates who have graduated at Masters level in one discipline cannot seek admission in another discipline.

(a) Veterinary and Animal Sciences

- ❖ Candidates with B.V.Sc & A.H degree and Masters degree in the concerned field of specialization from a recognised University shall alone be eligible to apply (Except Animal Biotechnology).

Animal Biotechnology:-

Candidates with M.V.Sc degree course in any field of specialization (except Animal Husbandry Economics, Veterinary and Animal Husbandry Extension and Animal Husbandry Statistics) or M.Sc. degree in Biotechnology with basic B.V.Sc & A.H. degree recognised as equivalent thereto shall be eligible to apply.

(b) Fisheries Science

- ❖ Candidates with B.F.Sc. degree and Masters degree in Fisheries Science or any other degree recognised as equivalent thereto shall be eligible to apply.

B) Mode of selection

Candidates for Ph.D. degree programme will be selected based on the marks obtained in the Entrance Examination and other criteria as detailed below:

i) Entrance Examination	-	75
ii) OGPA in M.V.Sc./M.F.Sc.,	-	40
iii) Service / Experience	-	10
iv) Publications	-	15
v) Medals / Awards	-	10

Total marks		150

C) Entrance examination

- ❖ Entrance Examination will be conducted in the concerned subject studied at Masters degree level. The Examination will be with 75 objective type questions with four responses and each question will carry one mark with a maximum of 75 marks. The Examination will be conducted for a duration of 1 ½ hours. Answer should be shaded with a ball-point pen in the OMR coding sheet as per the instructions given in the OMR coding sheet.

D) Counselling procedure

- ❖ Admission to Ph.D. degree course shall be made by Counselling on the basis of total marks duly applying the rule of reservation. Candidates securing less than 50% of total marks shall not be called for Counselling. SC/ST candidates securing less than 40% of total marks shall not be called for Counselling.

SYSTEM OF EDUCATION

The pattern of instruction and evaluation is the semester course credit system. An enrolled student should complete the course and research credits prescribed from time to time and shall have to earn a minimum Overall Grade Point Average (OGPA) of 6.5 out of 10.0 in order to earn M.V.Sc. or M.F.Sc. and 6.5 out of 10.0 for Ph.D. degree.

SCHOLARSHIPS

For deserving Masters / Doctoral degree students, the following scholarships are available.

A) For M.V.Sc. and M.F.Sc. students

- i) Adi-Dravida Welfare Scholarship
- ii) Backward Class Scholarship
- iii) TANUVAS Merit Scholarship
- iv) Pattukottai Azhagiri Endowment Scholarship

B) For M.V.Sc. Students only

- Dr.Venkataswamy Scholarship
- Pattukottai Azhagiri Endowment Scholarships
- Tamil Nadu Agricultural Labourers – Farmers Social Security and Welfare Scheme.

C) For M.F.Sc. Students only

- TIDCO Endowment Scholarship
- Pattukottai Azhagiri Endowment Scholarships

D) For Ph.D. Veterinary and Fisheries Students

- Pattukottai Azhagiri Endowment Scholarships

FEES AND DEPOSITS

Each selected candidate is required to pay the following tuition fees, special fees, etc. as prescribed by the University.

**(M.V.Sc. / M.F.Sc. – 4 Semesters, Ph.D. – 6 Semesters, Post Graduate Diploma in
Veterinary Laboratory Diagnosis / Companion Animal Practice / Wild Animal
Disease Management / Fish Quality Management - 2 Semesters)**

SL. No.	Particulars	I Semester (Rs.)	II, IV and VI (for each Semester) (Rs.)	III and V (for each Semester) (Rs.)
1.	Tuition Fees	2250	2250	2250
2.	Examination Fees	1000	1000	1000
3.	Special Fees			
	(i) College Magazine	50	50	50
	(ii) University Calendar	50	-	50
	(iii) Library Fees	150	150	150
	(iv) Sports, Games charges	50	50	50
	(v) Computer charges	150	150	150
	(vi) Laboratory contingency fund	750	750	750
	(vii) Registration, Enrolment fees	200	-	-
	(viii) Admission fees	200	-	-
	(ix) Syllabus	50	-	-
	(x) Identity Card	50	-	-
	(xi) Transport charges	50	-	50
	(xii) Day Scholar amenity	50	-	50
4.	Other charges			
	(i) Students Association	100	-	100
	(ii) Journal Subscription	300	-	-
	(iii) Alumni Association	50	-	50
	(iv) Personal accident insurance fee	100	-	100
	(v) Transcript card/degree certificate charges	200	-	-
	(vi) Co-operative Society fees: (Membership fee Rs.10/-, share Capital Rs.15/- and Trade deposit Rs.100/-*)	125	-	-
	(vii) Lab fund**	1000	-	-
	(viii) Library Caution deposit*	500	-	-
5.	Lodging fees for Hostlers	250	250	250
	Total	7675	4650	5050

* Refundable

** Non Refundable

M.Phil. IN BIOTECHNOLOGY (TWO SEMESTERS)

a) Background of the course

Biotechnology is based on the knowledge of life process, which is harnessed for human benefits. Initially, it was employed to mass-produce useful substances. However, so malleable is this new technology and so rewarding the efforts that, the past decade has witnessed an explosive growth in this area. It is now no longer a futuristic science. There are numerous ways in which biotechnology is applied to the resolution of biological problems. Biotechnology can be applied to develop newer and effective vaccines, diagnostics, production of proteins of interest and transgenic animals. The Government of India, keeping in tune with the global development in biotechnology, has recognized this as an important thrust area in science and technology.

The Department of Animal Biotechnology was established in 1989 at the Madras Veterinary College, Chennai and was recognized as the Center of Excellence in Veterinary Biotechnology and Immunology by the Indian Council of Agricultural Research in the year 1999. The department is functioning with the objective of carrying out fundamental research in frontier areas of animal biotechnology and also providing educational and training facilities in different areas of biotechnology.

Recognizing the advancements in biotechnology and to disseminate the research technologies, TANUVAS offers **M.Phil. Biotechnology** for the benefit of the scientific community. This course is designed to meet the requirements of students with scientific background who are specifically interested in the study of scientific developments in biotechnology and the application of this knowledge, skills and tools in the fields of molecular and biological sciences. This course will provide high quality postgraduate training in biotechnology which meets the needs of pharmaceutical and biochemical industries for Research and Development.

b) Eligibility for admission

A candidate with Masters degree in Science in the disciplines of Biotechnology, Molecular Biology, Gene Technology, Animal Biotechnology, Biochemistry, Microbiology, Zoology, Environmental Sciences, Genetics, Marine Biology and Fisheries Sciences (except Fisheries Economics and Management and Management and Fisheries Extension) from a recognised university or any other degree recognised as equivalent thereto shall apply.

Candidates with an OGPA of 2.50 out of 4.00 under trimester system or 6.0 out of 10.0 or 60% aggregate in Masters degree shall alone apply. For SC/ST candidates a minimum pass is sufficient.

c) Number of seats : SIX

d) Mode of selection

Candidates will be selected based on the marks obtained in the entrance examination and other criteria as detailed below:

i)	Entrance examination	:	75
ii)	Marks in postgraduate degree	:	10
iii)	Service/Experience	:	5
iv)	Publications	:	5
v)	Medals/Awards	:	5
	Total Marks	:	100

In case of equal marks, ranking will be based on the marks secured in the entrance examination/postgraduate degree marks, in that order.

e) Entrance examination

The entrance examination will be with 75 objective type questions with four responses for 1 ½ hour duration covering the broad areas of Genetics, Microbiology, Molecular Biology and Biotechnology. Each question will carry one mark with a maximum of 75 marks. Answer should be shaded with a ballpoint pen in the OMR coding sheet as per the instructions given in the OMR coding sheet.

f) Counselling procedure

Admission to M.Phil. Biotechnology course shall be made by Counselling on the basis of total marks duly applying the rule of reservation. Candidates securing less than 40% of total marks shall not be called for Counselling. SC/ST candidates securing less than 35% of total marks shall not be called for Counselling

g) System of education

The duration of course is one year comprising of two semesters. The pattern of instruction and evaluation is the semester course credit system. An enrolled student should complete the course work, seminar and dissertation credits prescribed from time to time, carry out research project in the area of Biotechnology and submit a project report for evaluation before the end of the second semester. To earn the M.Phil. in Biotechnology degree, a student shall have to secure a minimum Overall Grade Point Average (OGPA) of 6.5 out of 10.0.

h) Fee structure for M.Phil. in Biotechnology

Sl.No.	Particulars	I & II SEMESTER (for each semester) (Rs.)
1	Tuition fees	7,500
2	Examination fees	2,500
3	Special Fees	
	1. Students Association fees	100
	2. Subscription to College Magazine	50
	3. University Calendar	50
	4. Library fees	150
	5. Journal subscription fees (Director of Extension Education for Cheiron)	300
	6. Sports, Games charges	50
	7. Computer charges	150
	8. Laboratory Contingency Fund	750
	9. Personal Accident Insurance Fees	100
	10. Registration Enrollment fee	200
	11. Admission fee	200
	12. Syllabus	50
	13. Transcript Card/Degree Certificate charges	200
	14. Co-operative Society fees	125
	15. Transport charges	50
	16. Days Scholar Amenity	50
	17. TANUVAS Alumni Association (to Professor and Head, Animal Genetics and Breeding, Madras Veterinary College)	50
4	Laboratory Fees	12,375
5	Lodging Fees*	250
	Total	25,250

**for hostellers*

IV. POSTGRADUATE DIPLOMA IN BIOINFORMATICS (TWO SEMESTERS)

a) Background of the course

Bioinformatics is a newly developing discipline that has emerged from the requirements to elucidate the biologically useful information from the vast quantities of raw experimental data that are being generated in the biosciences. As application of Bioinformatics and its tools is gaining momentum in all spheres, TANUVAS offers **Postgraduate Diploma in Bioinformatics**. The aim of the diploma course is to provide high quality Postgraduate training in Bioinformatics, which meets the needs of Biotechnology and Genetics, pharmaceutical, biochemical and dairy industries for Research and Development.

b) Eligibility for admission

A graduate with any one of the following qualifications: B.V.Sc./ B.V.Sc. & A.H., B.F.Sc., B.Sc.(Agri.), B.Sc.(Horti.), B.E., B.Tech., M.B.B.S., B.D.S., M.Sc., MCA or postgraduate degree with Physics / Chemistry / Mathematics / Biotechnology / Biophysics / Botany / Zoology / Biology/ Biochemistry / Microbiology / Pharmacology / Computer Science/ Statistics of any recognised University with an OGPA 3.0/4.0 in trimester system or 7.0/10.0 in semester system or 50% in conventional system. A minimum pass is sufficient for SC/ ST candidates.

c) Number of seats : **SIX**

(Of this, two seats are reserved for Veterinary and Fisheries graduates. If unfilled, the same shall be filled with other candidates)

d) Mode of selection

Candidates will be selected based on the marks obtained in the entrance examination and other criteria as detailed below:

i)	Entrance examination	:	75
ii)	Marks in postgraduate degree	:	10
iii)	Service/Experience	:	5
iv)	Publications	:	5
v)	Medals/Awards	:	5
	Total Marks	:	100

In case of equal marks, ranking will be based on the marks secured in the entrance examination/qualifying degree marks, in that order.

e) Entrance examination

The entrance examination will be with 75 objective type questions with four responses for 1 ½ hour duration covering the broad areas of Information Technology, Biology, Computer Science and Physical Sciences including Mathematics and Statistics.

Each question will carry one mark with a maximum of 75 marks. Answer should be shaded with a ballpoint pen in the OMR coding sheet as per the instructions given in the OMR coding sheet.

f) Counselling procedure

Admission to Postgraduate Diploma in Bio-informatics course shall be made by Counselling on the basis of total marks duly applying the rule of reservation. Candidates securing less than 40% of total marks shall not be called for Counselling. SC/ST candidates securing less than 35% of total marks shall not be called for Counselling.

g) System of education

The duration of course is one year comprising of two semesters. The pattern of instruction and evaluation is the semester course credit system. An enrolled student should complete the course work, seminar and dissertation credits prescribed from time to time, carry out research project in the area of Bioinformatics and submit a project report for evaluation before the end of the second semester.

h) Fee Structure

S.No.	Particulars	First Semester Rs.	Second Semester Rs.
1	Tuition fee	10,000	10,000
2	Examination fee	1,000	1,000
3	Special fee	1,800	1,150
4	Other Charges	1,875	-
5	Library Caution Deposit	500	-
6	Lodging fee*	250	250
	Total	15,425	12,400

* for hostellers

V. POSTGRADUATE DIPLOMA PROGRAMMES (TWO SEMESTERS)

- (i) VETERINARY LABORATORY DIAGNOSIS
- (ii) COMPANION ANIMAL PRACTICE
- (iii) WILD ANIMAL DISEASE MANAGEMENT
- (iv) FISH QUALITY MANAGEMENT

a) Background of courses

(i) Postgraduate Diploma In Veterinary Laboratory Diagnosis

Animal health is essential to sustain and augment animal productivity. Occurrence of disease among animals is on the increase, which is a threat to livestock industry. Diagnosis of these diseases is based on a combination of clinical observation and laboratory analysis of ante mortem or postmortem specimens.

Early and rapid veterinary laboratory disease diagnosis is one of the important areas to be strengthened. There is an urgent need to enhance technical manpower and veterinary laboratories in our state to respond in emergencies like animal disease outbreaks.

Both Tamil Nadu State Government and Government of India have Animal Disease Diagnostic Laboratories and Biological Production Units. Strengthening and modernization of these units are given top priority in the centrally sponsored ASCAD scheme. Moreover, many private Animal Disease Diagnostic Laboratories are also on the increase, providing wide scope for diploma students for employment.

ii) Post-Graduate Diploma In Companion Animal Practice

Pet animals have been an integral part of our society from time immemorial. It is a common fact that pets provide companionship, relieve stress and provide unsolicited love and affection. Pet animal care has hence become a priority for animal owners. Pet animal care has undergone rapid development in the last decade.

Pet owners have sought out specialists in various fields to obtain the best possible treatment for their pets. Numerous sophisticated diagnostic techniques and instrumentation has raised the standards of veterinary practice. However, these facilities and skills are available only to a small segment of the pet owners. In the present scenario, it will be ideal for the general veterinary practitioners to possess additional skills to provide comprehensive and specialized health care for pet animals. Taking this into consideration, it is proposed to initiate a diploma in companion animal health care for the benefit of practicing veterinarians.

This diploma would encompass small animal medicine, surgery and reproduction with special emphasis on developing practical skills and would help to equip the veterinarian in managing surgical, medical and reproductive problems affecting small animals. The global scenario requires that a practicing veterinarian should possess sufficient knowledge in latest advancements in small animal surgery, medicine and reproduction comparable to international standards. Hence, a clinical training in advances in these fields has become the need of the hour. It is with these ideas the course is prepared.

iii) Postgraduate Diploma in Wild Animal Disease Management

Wildlife disease management is essential for taking effective control measures to protect wildlife and also to prevent transmission of diseases from wild animals to livestock and mankind.

This diploma course deals on various kinds of wildlife diseases encountered routinely in both captive and free ranging wildlife species. This course will provide required knowledge and skills to Veterinarian on different zoonotic diseases like rabies, strongyloidosis etc., that are encountered in wild animals maintained in captivity and free range such as zoological park, zoos, zoological garden and others.

To understand about diseases that are transmitted from domestic to wildlife and vice-versa, this diploma course will be of immense use. Serious economic losses do occur by the transmission of diseases among domestic and wild stock due to co-grazing related features in wildlife sanctuaries.

Keeping this in view a simplified, comprehensive diploma program of one year has been currently formulated by TANUVAS. Hence, undergoing this diploma course will be of great use for Veterinarians involved wildlife management and related field.

b) Eligibility

Candidates possessing a B.V.Sc./ B.V.Sc. & A.H. degree of Tamil Nadu Veterinary and Animal Sciences University or any other University recognized as equivalent thereto shall be eligible to apply with an OGPA of 3.0/4.0 in trimester system or 7.0/10.0 in semester system or 50% in conventional system. A minimum pass is sufficient for SC/ ST candidates.

c) Number of seats in each course : SIX

d) Mode of selection

The selection of candidates for admission to Post Graduate Diploma in Veterinary Laboratory Diagnosis / Companion Animal Practice / Wild Animal Disease Management will be based on the marks obtained in the entrance examination and the qualifying examination marks obtained in the B.V.Sc. / B.V.Sc. & A.H course.

The distribution of marks is as follows:

Common Entrance Examination marks	:	75
Qualifying examination (B.V.Sc. / B.V.Sc. & A.H.) marks	:	100

Total	=	175

e) Common Entrance Examination

The entrance examination for Post Graduate Diploma in Veterinary Laboratory Diagnosis / Companion Animal Practice / Wild Animal Disease Management will be with 75 objective type questions with four responses for 1½ hour duration covering the broad areas of **Animal Reproduction Gynaecology and Obstetrics, Veterinary Clinical Medicine, Ethics & Jurisprudence, Veterinary Epidemiology and Preventive Medicine, Veterinary Microbiology, Veterinary Parasitology, Veterinary Physiology and Biochemistry, Veterinary Pathology and Veterinary Surgery and Radiology and Wildlife Science.** Each question will carry one mark with a maximum of 75 marks. Answer should be shaded with a ballpoint pen in the OMR coding sheet as per the instructions given in the OMR coding sheet.

- ❖ In case of equal total marks, ranking will be done in the merit list based on the marks secured in the Common Entrance Examination alone. In case of further tie, the date of birth of candidates will be considered and older candidate shall be placed first than the younger candidate.

The details of number of questions in each subject are as shown below:

(i) Postgraduate Diploma in Veterinary Laboratory Diagnosis / (ii) Companion Animal Practice

Sl. No.	Subjects	No. of Questions
1	Animal Reproduction, Gynaecology & Obstetrics	10
2	Veterinary Clinical Medicine, Ethics & Jurisprudence	10
3	Veterinary Epidemiology & Preventive Medicine	10
4	Veterinary Microbiology	10
5	Veterinary Parasitology	10
6	Veterinary Physiology & Biochemistry	10
7	Veterinary Pathology	10
8	Veterinary Surgery & Radiology	5
	Total	75

(iii) Postgraduate Diploma in Wild Animal Disease Management

Sl. No.	Subjects	No. of Questions
1	Wildlife Science	20
2	Veterinary Clinical Medicine , Ethics and Jurisprudence	10
3	Veterinary Epidemiology & Preventive Medicine	10
4	Veterinary Pathology	10
5	Veterinary Microbiology	10
6	Veterinary Parasitology	10
7	Animal Reproduction Gynaecology & Obstetrics	5
	Total	75

iv) Post Graduate Diploma in Fish Quality Management

a) Background of the course:

The Indian fish industries are continuously facing severe competition at the International markets due to stringent quality control measures adopted by various fish importing countries. Therefore, implementation of fish quality management practices such as Hazard Analysis Critical Control Point (HACCP), European Union (EU) regulations, Sanitary Standard Operating Procedures (SSOP), Sanitary Control Procedures (SCP) and Good Manufacturing Practices (GMP) is essential for the production of quality fish and fishery products to meet the increasing quality demands in the International markets. The objective of this needed diploma course is to give an in-depth knowledge in fish quality management. A comprehensive Postgraduate Diploma programme on Fish Quality Management of one-year duration has been formulated to meet the fish industries requiring experts to solve the emerging chemical and microbial quality problems.

b) Eligibility

Candidates possessing a B.F.Sc., B.V.Sc., B.Sc. (Dairy Science), B.Sc. (Agi.), B.Sc. (Horti.), B.Sc. (Home Science) of four years duration, B.Tech (Food Technology) or Post-Graduate degree with Food Science / Microbiology / Biotechnology / Biochemistry / Zoology / Marine Biology / Costal Aquaculture / Home Science of any recognized University with OGPA 3.00 / 4.00 in trimester or OGPA 7.0 / 10.0 in semester system or 50% in conventional system. A minimum pass is sufficient for SC/ST candidates.

c) Number of seats in each course : SIX

d) Mode of selection

The selection of candidates for admission to Post Graduate Diploma in fish Quality Management will be based on the marks obtained in the entrance examination and the qualifying examination marks obtained in the course(s) mentioned above.

The distribution of marks is as follows:

Common Entrance Examination marks	:	75
Qualifying examination marks	:	100

Total	=	175

e) Common Entrance Examination

The entrance examination for Post Graduate Diploma in Veterinary Laboratory Diagnosis / Companion Animal Practice / Wild Animal Disease Management will be with 75 objective type questions with four responses for 1½ hour duration covering the broad areas of **Fish Processing Technology, Fish Quality and Safety Management, Food Microbiology, Food Biochemistry and Food Laws and Standards**. Each question will carry one mark with a maximum of 75 marks. Answer should be shaded with a ballpoint pen in the OMR coding sheet as per the instructions given in the OMR coding sheet.

- ❖ In case of equal total marks, ranking will be done in the merit list based on the marks secured in the Common Entrance Examination alone. In case of further tie, the date of birth of candidates will be considered and older candidate shall be placed first than the younger candidate.

The details of number of questions in each subject are as shown below:

Postgraduate Diploma in Fish Quality Management

Sl. No.	Subjects	No. of Questions
1	Fish Processing Technology	15
2	Fish Quality and Safety Management	20
3	Food Microbiology	20
4	Food Biochemistry	10
5	Food Law and Standards	10
	Total	75

Counselling procedure

Admission to Postgraduate Diploma in Veterinary Laboratory Diagnosis / Companion Animal Practice / Wild Animal Disease Management / Fish Quality management shall be made by Counselling on the basis of total marks duly applying the rule of reservation. Candidates securing less than 40% of total marks shall not be called for Counselling. SC/ST candidates securing less than 35% of total marks shall not be called for Counselling.

System of education

The duration of the courses are one year comprising of two semesters. The pattern of instruction and evaluation is the semester course credit system. An enrolled student should complete the course work and dissertation credits prescribed from time to time, carry out research project in the area of Veterinary Laboratory Diagnosis / Companion Animal Practice / Wild Animal Disease Management / Fish Quality Management and submit a project report for evaluation before the end of the second semester.

Fee Structure

As followed in M.V.Sc./M.F.Sc. and Ph.D. Degree Courses (see page No. 8).

COMMUNAL RESERVATION

The rule of reservation as per the Government of Tamil Nadu shall be followed.

- ❖ Rule of reservation is applicable when there are four or more seats in each discipline. If the number of seats is less than four, selection will be based on merit alone.

HOSTEL FACILITIES

- Hostel for the students are available in each campus and the messes are run on a dividend system.
- The students will be accommodated in the hostels to the extent possible, as the facilities are limited.
- A sum of Rs.5,000/- will be collected as hostel deposit.

IMPORTANT NOTE

A candidate who has been selected for admission to M.V.Sc. / M.F.Sc. / M.Phil., / Ph.D. degree course / P.G Diploma courses should register for the course within 13 working days from the date of commencement of registration (the first five working days without fine and the remaining eight working days with a fine of Rs.100/-) as per the provisions made in the Regulations for the Postgraduate degree programme under semester pattern. If he/she does not register for the course within the above period, his/her admission will automatically **stand cancelled**.

A candidate who has paid the fees but fails to register on the date specified or fails to inform his/her intention of not registering for the course, within one week from the date specified for registration, is liable to forfeit the fees paid by him/her.

A candidate who intends to withdraw from the course before registration is entitled to get a refund of 80% of the tuition fees and 100% of all the other fees paid by him/her, provided the claim for refund is made within one month from the date notified for registration / commencement of classes. Otherwise, he/she is liable to forfeit the full fees paid for the admission.

A student who desires to leave the course after registering for the course irrespective of the fact that he/she has attended the classes or not, is entitled to get a refund of 30% of the tuition fees and 50% of all the other fees.

PREVENTION OF RAGGING

If any incident of ragging comes to the notice of the authority, the concerned student shall be given liberty to explain and if his / her explanation is not found satisfactory, the authority would expel him / her from the Institution.

INSTRUCTIONS TO CANDIDATES TO FILL IN THE APPLICATION FORM

1. Separate application for M.V.Sc./M.F.Sc., Ph.D. and M.Phil.(Biotechnology) / PG Diploma in Bioinformatics, Veterinary Laboratory Diagnosis, Companion Animal Practice, Wild Animal Disease Management and Fish Quality Management.
2. Application form, Hall ticket and Prospectus can be down loaded from University Website <http://www.tanuvas.ac.in>
3. Candidates are requested to study the prospectus carefully before filling up the application form.
4. Candidates can apply for two subjects while applying Ph.D. Fisheries Science. However, separate applications should be sent for each subject.
5. Candidates possessing the minimum qualifications as prescribed in the prospectus alone will be considered.
6. Candidates are requested to fill up the application form in their own handwriting only.

7. All columns should be correctly and completely filled in. There should not be any overwriting/error.
8. Application with incomplete particulars will summarily be rejected.
9. No addition, deletion or alteration of any particulars relating to the application is permitted after the submission of the application.
10. Recent passport size photograph should be affixed in the space provided in the application form and hall ticket. The employees of TANUVAS are exempted from doing so.
11. Application form should be sent with Registration fee (Rs.500/- for others and Rs.250/- for SC/ST).
12. Registration fee should be sent only in the form of Demand Draft drawn in favour of **“Finance officer, TANUVAS, Chennai-51” payable at Chennai.**
13. No correspondence will be entertained in any form.
14. Applications received after the prescribed due date and time will not be considered on any account. The University will not take any responsibility for postal delays. The candidates are therefore advised to send their applications sufficiently early.
15. Applications without Registration fee will be summarily rejected.
16. Those who are claiming community reservation should furnish the certificate obtained from the competent authority. However, the employees of Tamil Nadu Veterinary and Animal Sciences University and Government of Tamil Nadu can enclose attested copy of **first page of their Service Register** in proof of community claim.
17. Employees of Tamil Nadu Veterinary and Animal Sciences University/State or Central Government or Other organizations **should send their applications through proper channel.**
18. Selected candidates should join the course on or before the specified date, failing which their names will be deleted and resultant vacancies will be filled up by other eligible wait listed candidates through Counselling.
19. Candidates selected for admission will have to give a declaration and an undertaking at the time of admission.
20. The following original documents must be surrendered at the time of admission:
 - i) Provisional/Degree certificate of Bachelor's/Masters degree
 - ii) Transfer Certificate/Migration Certificate
 - iii) Conduct Certificate from the Head of the Institution last studied
 - iv) Mark Sheets/Report Cards of Bachelor's/Masters degree
 - v) Community Certificate

Failure to surrender any of the above documents will make the candidate ineligible for admission.

CHECK LIST

The application should be sent with the following:

1. Filled in application with passport size photograph.
2. Nativity Certificate in the prescribed format (if applicable).
3. Attested copy of the S.S.L.C./H.S.C. mark sheet or First page of Service Register in proof of date of birth.
4. Attested copy of the Community Certificate. Employees of TANUVAS and Government of Tamil Nadu can enclose attested copy of the first page of the Service Register in proof of community to which they belong.
5. Attested copy of the Provisional/Degree Certificate of Bachelor's/Masters Degree.
6. Attested copies of Statement of Marks/Report cards/Transcript card showing the details of courses underwent and the marks/OGPA obtained in the degree course concerned.
7. Attested copy of the conduct certificate from the Head of the Institution last studied.
8. Duly filled hall ticket (do not stitch the hall-ticket to the application form). Use gem clip for attachment to the application form.
9. Self-addressed envelope (size 15x10 cm) stamped for Rs.5/- (for sending acknowledgment).
10. Attested copy of the Service Certificate showing the details of service/experience (for Ph.D., M.Phil. and PG Diploma in Bioinformatics candidates only).
11. Copies of Research article, Popular article, Book, Manual, Booklet published, Proof for Medals/Awards etc., (for Ph.D., M.Phil and PG Diploma in Bioinformatics candidates only) need to be enclosed.

Note:

Filled in application should reach the Chairman, Admission Committee (PG), Tamil Nadu Veterinary and Animal Sciences University, Madhavaram Milk Colony, Chennai-600 051 on or before 04.09.2009, 5.45 P.M.

ANNEXURE

POSTGRADUATE DEGREE COURSES OFFERED DURING 2009-2010

a) M.V.Sc., and Ph.D., (Veterinary)

Sl. No.	Discipline	No. of Seats			
		Madras Veterinary College, Chennai		Veterinary College & Research Institute, Namakkal	
		M.V.Sc.	Ph.D.	M.V.Sc.	Ph.D.
1	Animal Biotechnology	3	3	-	-
2	Animal Genetics and Breeding	2	2	1	1
3	Animal Husbandry Economics	2	1	1	-
4	Animal Nutrition	2	3	2	2
5	Animal Reproduction, Gynaecology and Obstetrics	2	2	2	1
6	Dairy Science	3	2	-	-
7	Livestock Production and Management	2	3	2	1
8	Meat Science and Technology	2	2	2	2
9	Poultry Science	3	3	4	2
10	Veterinary Anatomy and Histology	2	3	1	-
11	Veterinary and Animal Husbandry Extension	3	2	1	-
12	Veterinary Clinical Medicine, Ethics and Jurisprudence	3	2	2	1
13	Veterinary Epidemiology and Preventive Medicine	2	2	2	2
14	Veterinary Microbiology	2	2	2	2
15	Veterinary Parasitology	2	3	2	2
16	Veterinary Pathology	3	3	1	1
17	Veterinary Pharmacology and Toxicology	3	3	1	2
18	Veterinary Physiology	1	2	2	2
19	Veterinary Surgery and Radiology	4	3	3	1
20	Wild Life Science	3	-	-	-
TOTAL		49	46	31	22

M.F.Sc., and Ph.D., at Fisheries College & Research Institute, Thoothukudi

Sl. No.	Discipline	No. of Seats	
		M.F.Sc.	Ph.D.
1	Aquaculture	2	2
2	Fisheries Biology	2	-
3	Fisheries Biotechnology	2	-
4	Fisheries Economics and Management	2	2
5	Fisheries Environment	2	-
6	Fisheries Extension	2	-
7	Fishing Technology and Fisheries Engineering	2	-
8	Industrial Fish Processing Technology	2	-
9	Fisheries Biology and Capture Fisheries	-	2
10	Fish Processing Technology	-	2
TOTAL		16	8