



St. Mary's College (Autonomous)
Reaccredited with 'A+' Grade by NAAC (Cycle IV)
Thoothukudi



Criterion: I – Curricular Aspects
1.1 – Curriculum Design and Development
Year: 2018-2023



Programme: M.Sc. Zoology

SEMESTER – III			
Core X : Aquaculture Practices and Farm Management			
Code : 19PZOC32	Hrs / week : 6	Hrs / Sem : 90	Credits : 4

Course Outcome:

CO. No	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	design aquaculture systems	1	Cr
CO-2	develop practical skills for management of culture ponds	3	Ap
CO-3	apply techniques involved in breeding and culture of various organisms	1,2	Cr,Ap
CO-4	demonstrate competency in live feed culture and feed formulation	2,3	Un,Ev
CO-5	evaluate and manage aquaculture diseases, health and safety issues in aquaculture ventures	1,6	Un Ev
CO-6	discuss important factors for performing a sustainable aquaculture	1,3	Un, Ap
CO-7	compare the principles of genetic improvement of fish stock	1	Un
CO-8	analyse aquaculture economics and marketing strategies	1,3	An,Ap

SEMESTER IV**Core XIV : Conservation Biology****Code: 19PZOC42****Hrs / Week: 5****Hrs/Sem : 75****Credits : 4****Course Outcome:**

CO.No	Upon completion of this course, students will be able to	PSO addressed	CL
CO - 1	infer the problems of unsustainable development	1	Un
CO - 2	justify that human survival depends on developing practices that will achieve sustainable systems	3	Ev
CO - 3	explore the biological, sociological and legislative perspectives for the management of flora and fauna to conserve wildlife.	5	An
CO - 4	evaluate the importance of natural resources on conservation of biodiversity	3	Ev
CO - 5	analyse the conservation management of various resources	3	An
CO - 6	gain knowledge on values and threats of biodiversity	2	Ap
CO - 7	learn the role of various organization in conservation of biodiversity	6	Un
CO - 8	apply scientific principles and modern technologies to resolve problems in disaster management	8	Ap

SEMESTER - IV

Elective - I	A	Poultry	
Code :19PZOE41	Hrs /Week: 4	Hrs/ Sem : 60	Credits :4

Course Outcome:

CO.No.	Upon completion of this course, students will be able to	PSO addressed	CL
CO 1	attain an insight on the present status of poultry industry	1	Un
CO 2	acquire knowledge on the technological advancements in poultry farming	2	Un
CO 3	identify the problems in handling poultry	3	Un
CO 4	analyse the management techniques and handle various situations	3	An
CO 5	able to get career choices in bird production, processing, research and business	8	Ap
CO 6	attain the skill to manage the farm in a profitable manner	6	Ap
CO 7	apply the skills to become entrepreneurs	6	Ap
CO 8	manage to get a rewarding career in poultry industry or selfemployment	8	Ap



SEMESTER – IV**Elective - I B Ornamental Fish Culture****Code : 19PZOE41****Hrs / Week : 4****Hrs / Sem : 60****Credits : 4****Course Outcome:**

CO.No	Upon completion of this course, students will be able to	PSO addressed	CL
CO - 1	explain the construction, fabrication and accessories required for setting up an aquarium tank	2,3	Un
CO - 2	apply the knowledge and skills in aquarium management	1	Ap
CO - 3	evaluate the types and culture of live feed organisms and formulate the artificial feed	3	Ev
CO - 4	describe the factor related with taxonomy and biology of ornamental fish	3	An
CO - 5	choose the commercially important fresh water and marine ornamental fishes and their transport	8	Ev, Cr
CO - 6	analyse the different varieties of ornamental fish	2,3	An
CO - 7	acquire confidence to become an entrepreneur in ornamental fish culture	3	Un
CO - 8	develop entrepreneurial skills and make aware of National and International export earnings	2,7	Cr

SEMESTER III

Core X Aquaculture Practices and Farm Management

Course Code: 21PZOC32

Hrs/ Week:6

Hrs/Sem:90

Credits:4

Course Outcome:

CO.No	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	explain aquaculture system methods and management of culture ponds	1,2	Un
CO-2	apply techniques involved inbreeding and culture of various organisms	3	Ap
CO-3	demonstrate live feed culture and feed formulation	3	Ap
CO-4	categorize and manage aquaculture diseases, health and safety issues for a sustainable aquaculture	4	An
CO-5	compare the principles of genetic improvement of fish stock	6	An
CO-6	develop entrepreneurial skills in aquaculture	8	Cr

Louis Rose
Principal

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