



JUST FISH AND NATURE



At Aquaculture Innovations we continuously strive to provide Aquaculture Training Courses to directly meet needs within the Industry. These are presented at Urban Aquaponics in Gerardsville, Pretoria, South Africa, where we provide a high quality Practical Training Experience. We continuously strive to expand on and to cover new technologies within additional modules as and when appropriate. The primary focus of our Aquaculture and Aquaponics Training is on both the practical components, theory and disciplines that one needs to master in order to be a successful Fish or Aquaponics farmer. It is suggested that that Management and Investors do the 5 day course, Advanced Fish Farmer course, Supervisors and staff do the 3 day course, and for the plant section do the 2 day Aquaponics. Alternatively, all staff could do the entire 5 day course to ensure all round knowledge..

Courses: 2024

	Mon	Tue	Wed	Thu	Fri	Sat
Jan 2024	15	16	17	18	19	
	Advanced Fish Farmer Course (5 days of life on a working farm - Pretoria)					
	22	23	24	25	26	
	Practical Fish Farmer Course			Aquaponics Course		
Feb 2024	12	13	14	15	16	
	Advanced Fish Farmer Course (5 days of life on a fish farm - Pretoria)					
March 2024	11	12	13	14	15	
	Advanced Fish Farmer Course (5 days of life on a fish farm - Pretoria)					
	19	20	21	22	23	
	Practical Fish Farmer Course			Aquaponics Course		
April 2024	15	16	17	18	19	
	Advanced Fish Farmer Course (5 days of life on a fish farm - Pretoria)					
May 2024	13	14	15	16	17	
	Advanced Fish Farmer Course (5 days of life on a fish farm - Pretoria)					
	20	21	22	23	24	
	Practical Fish Farmer Course			Aquaponics Course		



Advanced Fish Farmer Course (Aquaculture)



*This Course is the ultimate Fish Farmer Training Course and aims to hone skills and knowledge of the primary information and tasks needed to be a successful Fish Farmer. We go through the typical activities that would be conducted on a commercial Fish Farm, along with the necessary theory for the delegate to understand and experience what it takes to successfully produce Fish in a Recirculating Aquaculture System. Seen from the perspective of the potential investor or farm manager, thus includes a section on Fish Farm economics and a look at some stylised examples. The farm has cold and warm water species where many of the skills are learned. Other species are discussed in detail, backed by videos from around the world, system designs are done, with even the dissection of fish presented by world renowned **Dr Gillian Taylor**, to arm the delegates with the knowledge to identify possible fish related parasites and diseases. Biomass is practically calculated and Feed conversion Ratios are calculated.*

Time	Day 1	Day 2	Day 3	Day 4	Day 5
08h00-09h00	Introduction	Cage Culture	Flushing Dams	Stock Management (Biomass Calculations)	Crop Health
09h00-10h30	Industry Overview	Earth Ponds	Recirculating Aquaculture Systems	Sorting and Counting	Nutrient Uptake
10h30-11h00	Tea	Tea	Tea	Tea	Tea
11h00-12h00	Breeding	Water Quality	RAS	Crop Selection	Starting a new system
12h00-12h30	Breeding Tilapia	Water Quality	RAS View System	Aquaponic Components	Feedback and Test
12h30-13h00	Breeding Catfish	Feeding Fish	RAS System Discussion.	Aquaponic Management	Economics
13h00-13h45	Lunch	Lunch	Lunch	Lunch	Lunch
13h45-14h45	Breeding Trout	Tilapia	Fish Anatomy	System Layout	Closure
14h45-15h30	Good Husbandry	Catfish	Bio Security	System Layout	
15h30-16h00	Legislation	Trout	Dissection of Fish	Filtration Discussion	

Advanced Fish Farmer Course (Aquaculture)

Each day is filled with important factors in the life of a farmer. We cover everything: health management, water quality, filtration, aeration, feeding, breeding, purging, transporting in bags vs tanks, stock management, Flushing, record keeping, fish handling, size sorting and counting.

Venue:

Urban Aquaponics, Centurion, Pretoria

Who should attend:

Investors and farmers, considering aquaculture and needing guidance on which route to follow; Fish farm managers; Fish farm supervisors.

Cost:

NOW ONLY R7960.00 per delegate. This fee includes the Aquaculture Course Manual and a main meal on each day of the Course.

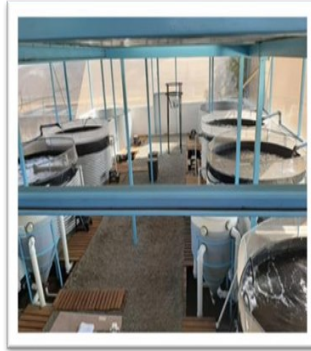
Delegates also come away with charts on diseases and treatments, water quality management tools, System Management spreadsheets in Excel format, a Weekly Farm Management Program and other useful tools for managing a fish farm

Certification:

Delegates receive a Certificate of Attendance.



Fish Farm System Management



Primary focus:

*This Course is a fast paced experience into running a fish farm and has great value on its own or **combined with the Aquaponics Course**. We go through an enormous amount of theory as well as conducting the corresponding practical exercises. The purpose of this Course is to expose delegates to the disciplines involved in successful farm management and daily tasks.*

Time	Day 1	Day 2	Day 3
08h00-09h00	Introduction and Industry Overview	Flushing Dams	Tilapia
09h00-10h30	Facility Tour	Live Feeds	Catfish
10h30-11h00	Tea	Tea	Tea
11h00-12h00	Reproduction	Water Quality	Trout
12h00-12h30	Earth Ponds	Recirculating Aquaculture Systems	Marketing
12h30-13h00	Cage Culture	RAS View System	RAS System Discussion.
13h00-13h45	Lunch	Lunch	Lunch
13h45-14h45	Aquaponics	RAS System Discussion.	Economics
14h45-15h30	Good Husbandry	Bio Security	System Design Discussion.
15h30-16h00	Legislation	Stock Management (Biomass Calculations)	Closure

Fish Farm System Management

Venue:

Urban Aquaponics, Centurion, Pretoria

Who should attend:

Ideal for Farm Supervision and staff, each day starts with water quality management and feeding, where after the tasks for that day are conducted between theory and further feeding events. We cover everything: health management, water quality, filtration, aeration, feeding, breeding, purging, transporting in bags vs tanks, stock management, Flushing, record keeping, fish handling, size sorting and counting.

Cost:

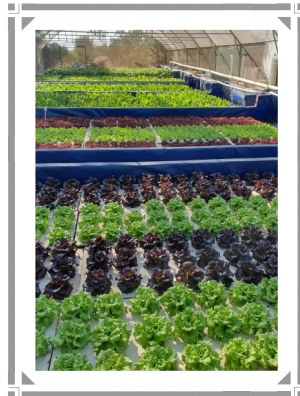
NOW ONLY R4760.00 per delegate. This fee includes the Aquaculture Course Manual and a main meal on each day of the Course.

Certification:

Delegates receive a Certificate of Attendance.



Aquaponics Course



Aquaponics is the combination of fish aquaculture and plant hydroponics in a single system, where the waste of one system becomes the nutrient source for the next. With growing awareness of the need to reduce our footprint on the globe there is a massive amount of interest in developing systems that provide wholesome crops in a manner that is environmentally sustainable and energy efficient. Aquaponics is just such a solution. Delegates will be given the theory on aquaponics, both the plant and fish crop sides, along with practical demonstrations. Being the Only fresh produce farm in South Africa accredited by both the Heart and Stroke foundation and CANSA the produce is Scientifically proven healthy. Delegates are exposed to this farming Science. Ideally done together with the 3 Day fish Farming course

Time	Day 1	Day 2
08h00-09h00	Introduction and Industry Overview	Selecting Crops
09h00-10h30	Facility Tour	Starting a System
10h30-11h00	Tea	Tea
11h00-12h00	Water Quality	Crop Health
12h00-13h00	Water Quality	Crop Health (Elevator Theory)
13h00-13h45	Lunch	Lunch
13h45-14h45	System Components	System Management.
14h45-15h30	System Components On the Farm	Bio Security
15h30-16h00	Legislation	Economics

Aquaponics Course

Venue:

Urban Aquaponics, Centurion, Pretoria

Who should attend:

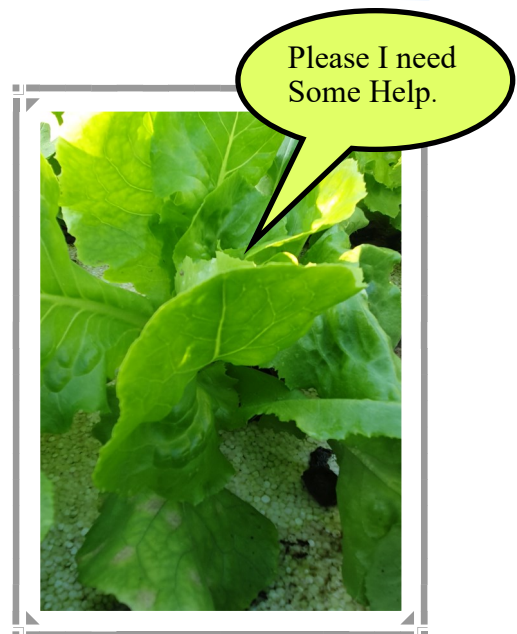
This Course is suitable for both commercial aquaponics farmers and people wanting to raise small amounts of fish and vegetable crops for own consumption, iinvestor's considering aquaponics and needing guidance on which route to follow.

Cost:

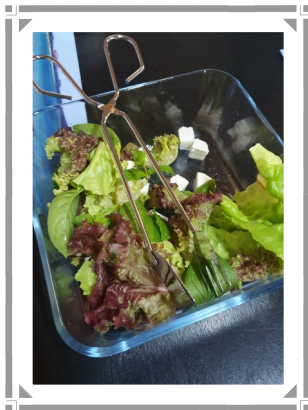
NOW ONLY R3200 per delegate. This fee includes the Aquaculture Course Manual and a main meal on each day of the Course.

Certification:

Delegates receive a Certificate of Attendance.



Introductory Aquaponics Short Course



Aquaponics The Introduction to Aquaponics course presented on Saturdays is designed especially for those who have gained an initial interest in the science and are keen to learn a bit more. This one day introduction course is presented on a working commercial Aquaponics farm where all the elements can be demonstrated. With growing awareness of the need to reduce our footprint on this globe there is an increasing amount of interest in developing systems that provide wholesome crops in a manner that is environmentally sustainable and energy efficient. Aquaponics is just such a solution. Delegates will be given the introductory theory on Aquaponics; both the plant and fish crop sides, along with practical demonstrations.

Time	Saturday
08h00-09h00	Introduction and Our Journey
09h00-10h30	Facility Tour and Practical Introduction to Different Growing methodologies.
10h30-11h00	Tea
11h00-12h00	Fish Choices advantages and disadvantages
12h00-13h00	Water Quality
13h00-13h45	Lunch
13h45-14h30	Crop Selection
14h30-15h00	Introduction of other courses
15h00-15h30	Legislation and permitting.
15h30- 16h00??	Open Discussion

Introductory Aquaponics Short Course

Courses are scheduled for groups of 5 and more, Please contact us to schedule one for your group.

Venue:

Urban Aquaponics, Centurion, Pretoria

Who should attend:

This Course is suitable for entrants into Aquaponics farming and people wanting to raise small amounts of fish and vegetable crops for own consumption.

Cost:

R950.00 per delegate. This fee includes a light lunch and tea and a gift pack of produce at the end of the day.

Certification:

Delegates receive a Certificate of Attendance.



Aquaculture and Aquaponics Trainer

Neale Strauch



All these Courses are conducted by Neale Strauch.

Neale, a Systems Engineer got involved with the Science of Aquaponics 8 years ago.

A natural interest in farming methods combined with the drive to measure, created an intense fondness in the Science of Aquaponics which by virtue of its nature involved Aquaculture.

Starting with a hobby system and soon grew in his back yard in the suburbs of Pretoria is a NFT system with Tilapia and a 1000 plants 8 years ago, was reasonably successful with weekly deliveries to selective restaurants.

He now owns Urban Aquaponics, a commercial system with 6 tunnels and a large fish house, for the specie of choice which is Rainbow Trout. The tunnels house both an NFT system and DWC, growing a range of greens for prestige clients. A demonstrative Wicking and Flood and Drain system was also installed for research and a hands on experience.

Neale has first-hand knowledge of a commercial system and has attended just about every course available in South Africa and other online courses that are available. His drive to get Aquaponics featured in retail markets and to aid other growers has taken him down the road of serving as PR and Chairman of the association with discussions on the table with government departments to recognise Aquaculture and Aquaponics as a worthy farming technology.

Tanking things a step further his passion to prove that the produce is healthy he embarked on a journey which in the end was scientifically proven. Aquaponics is Healthy and thus the Accreditation by the Heart and Stroke Foundation and CANSA.

Branching further into this space he has decided to take up the challenge of training together with Aquaculture Innovations which of late he has taken over. The new training facility is state of the art. Aiming to have underwater cameras viewing fish and plants in their growing habitat.

A microscope which is viewed on the large screen allows for delegates to dissections of fish which is done by Fish Specialist Dr Gillian Taylor.

“When you can measure what you are speaking about, and express it in numbers, you know something about it” Lord Kelvin

Alan Bell : Your knowledge is extensive, the course content is insightful, and your ability to convey that to a broad cross-section of types of attendees with widely disparate knowledge levels shows great people skills. The attention to detail you and your team exercise got every facet of the course right from content to catering - congrats.

Aquaculture and Aquaponics Training

Terms:

We reserve the right to postpone a Course that does not have adequate delegates.

Full payment is required with Registration to secure your booking.

Bookings close on the Wednesday prior to each Course, or once we have the maximum number of delegates Registered for a Course, whichever comes first.

If we cancel a Course we automatically move your Registration to the following dates on which the same Course is offered. There is no charge for this, You will be advised in time to change your accommodation dates. If this does not suit you we will refund you in full less a 10% administration fee.

If you cannot attend a Course at short notice we automatically move your Registration to the following dates on which the same Course is offered. There is no charge for this, but be aware that you might be charged to alter the accommodation dates, if the establishment at which you have booked levies such a fee .Course Refund Policy: up to 4 weeks prior to the Course 70%, 2 – 4 weeks prior 40%, <2 weeks = no refund.

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