Murray Hallam's

Aquaponics Design Course

aquaponicsdesigncourse.com

3rd October - 5th December 2021

The Complete Eight Week Online Course in designing, managing and maintaining your own Aquaponics System.

www.aquaponicsdesigncourse.com

Welcome to the Aquaponics Course

Welcome to the Aquaponics Design Course. This course is one of a kind, being taught by Murray Hallam, a veteran in the Aquaponics industry. Murray has been building, researching and teaching Aquaponics for over 10 years. He has taught Aquaponics to hundreds of students all over the world and is regarded as a premier teacher. His Aquaponics Master Classes are much in demand.

We invite you to join this new extended 8 week Online course and benefit from Murray's years of experience and research in developing Aquaponics systems that really work.

From the comfort of your lounge room at a time convenient to you, the course will roll out over successive weeks, 8 modules of video lessons. You can start watching as soon as you enroll. Join classmates in discussing lessons and Murray will be on hand to answer all your questions. If you have been watching the free videos on murrayhallam.com you will know what an effective teacher Murray is.

Murray's mission is for students to not just study Aquaponics but to act on their knowledge. Many students have taken the course and gone on to great success. Some have secured the health of their family others have prosperous new businesses.

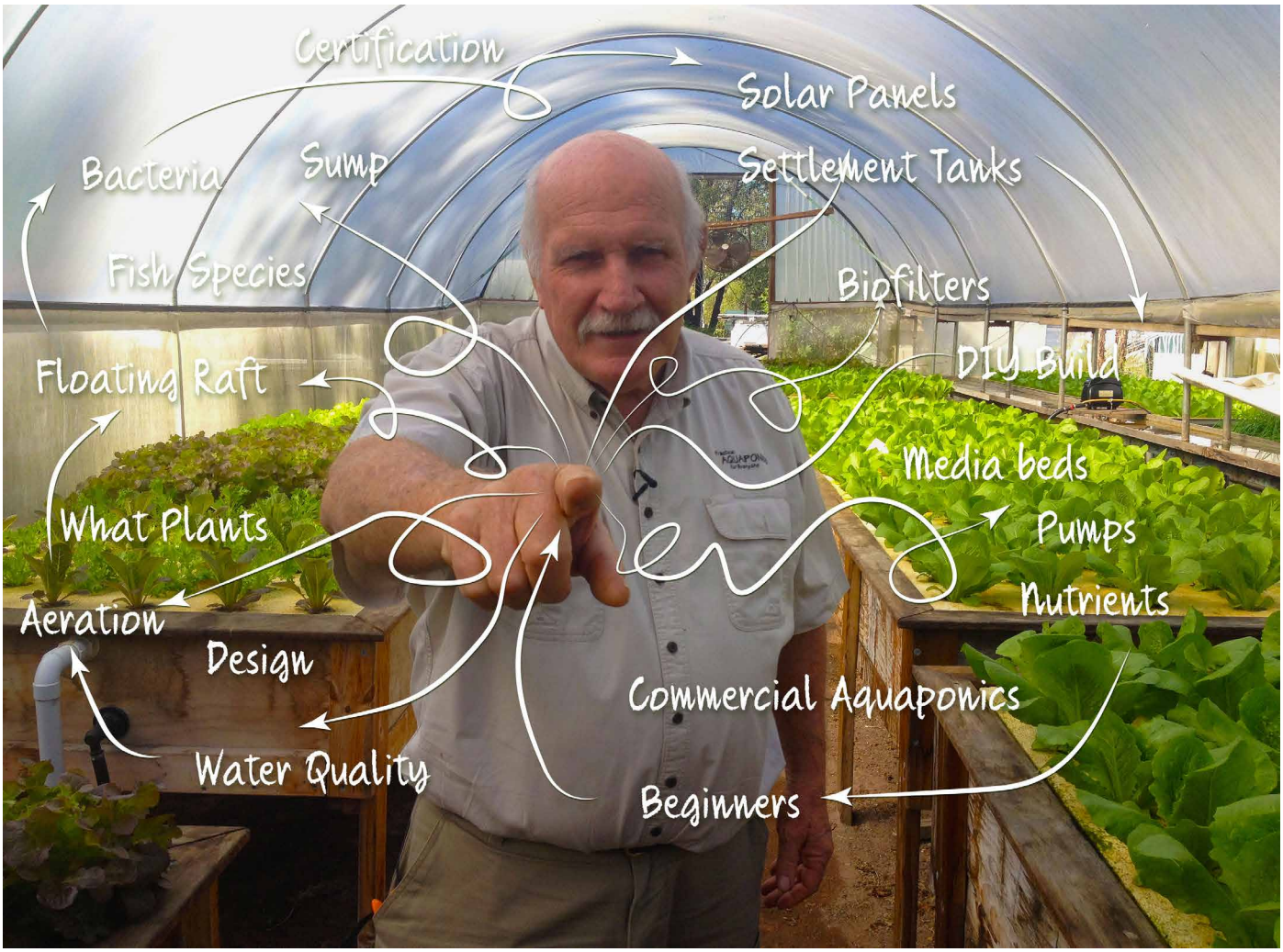
Growing pure food, and growing food locally is Murray's passion and he hopes it is yours too. We invite you to take this learning journey together and become part of Murray's world wide Aquaponics family.

Registrations open 3th Oct. 2021

The course starts on the 3rd Oct. to 5th Dec. 2021

You will have access to course materials for 1 Year

The Magic starts with You!



I'm a complete beginner. Is this course for me?

The Aquaponics Design Course caters for all skill levels. From an absolute beginner to someone who has been operating their own system for a while and are ready to scale up.

Murray has had people enroll who had just discovered Aquaponics and then wanted to develop a large commercial system. His 4-day Master Class course allowed many students to have the skill-set and confidence to head in that direction.

People of all ages have taken Murray's courses successfully. Schools are developing Aquaponics as part of their curriculum. Some mid-career people see it as an opportunity to start a new business and some people just want to learn how to grow their own healthy fish and vegetables easily.

No prerequisite qualifications are necessary. You will be taken through a progression of learning from the basics, right through to advanced training.

Course Requirements

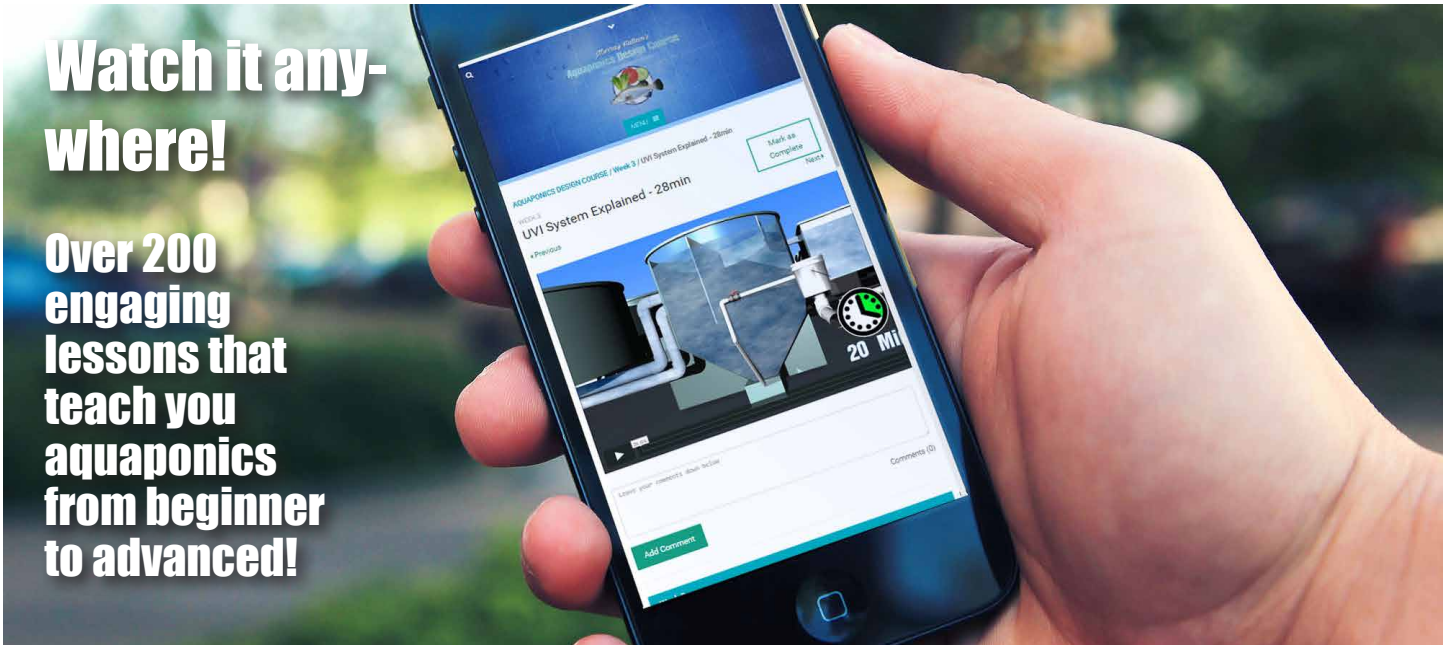
A broadband Internet connection for video streaming is essential. The videos are not available for download. However, the beauty of Online training is that you can watch the videos repeatedly.

You will need about 3 hours per week to participate in the lessons, but that is anytime you choose, day or night.
The course can be watched on your desktop, tablet or mobile device.

The other essential component is enthusiasm and a willingness to learn!

The course is presented using VIMEO*. If you can watch vimeo on your browser, you can watch and participate in the course.

**Some countries such as Indonesia have blocked Vimeo. Please check the link to see if you can watch vimeo formatted videos.* https://vimeo.com/home



Need Help? Have a Question? Contact Support at:
support@aquaponicsdesigncourse.net

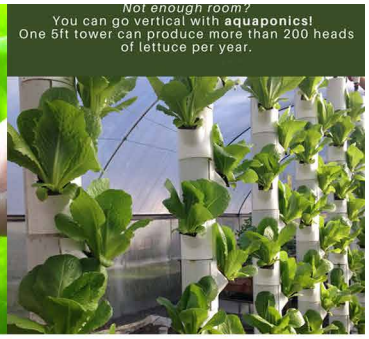
"Thank you, Murray and Lee, for the great learning journey. It has been an amazing learning for me. It really leaves me thinking how I could do more for healthy eating and how I could share the knowledge with people around me. - Seok Ngo Ang

The Many Benefits Of Aquaponics

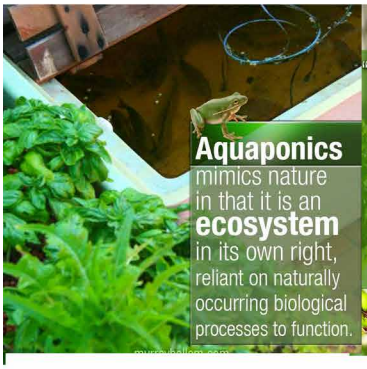
90% less water

pure food

natural predators

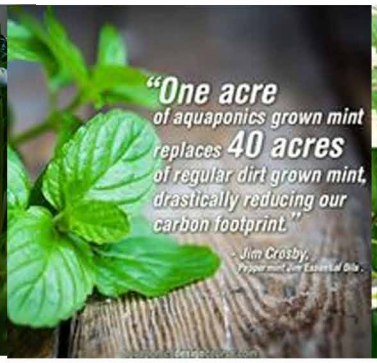


vertical space

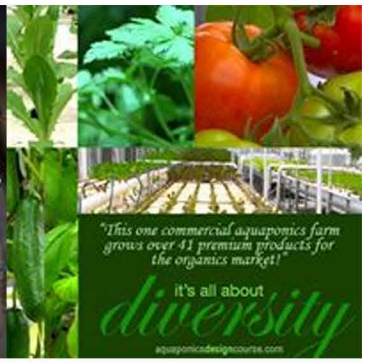


an ecosystem

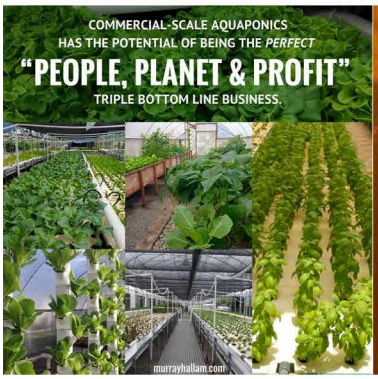
no bending



more productive



diversity



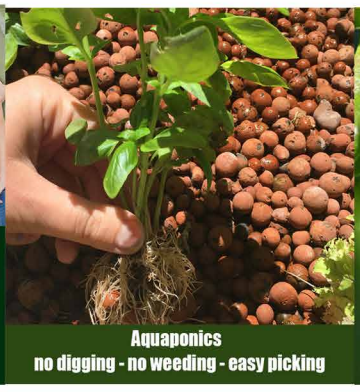
sustainable

fish and plants

grow anywhere

rapid growth

small spaces



no weeds

no synthetic chemicals

natural fertilisers

I want to run a small farm system and sell to my community

Aquaponics is an ideal system to fill the demand of growing numbers of consumers who want pure, fresh locally grown food. Food miles can be few and a diverse number of products can be grown.

Chefs are continually on the look-out for niche ingredients and seasonal produce with exceptional quality. Forming a relationship with local restaurateurs is something Aquaponic entrepreneurs are doing successfully.

Farmers' markets are booming and offer producers the chance to benefit from higher profits, by removing the middleman and selling food directly to consumers.

The rising interest in organic food and its health, ethical and environmental benefits, has added to the popularity of farmers' markets.

Aquaponics farming avoids pesticides and synthetic fertilizers and attracts higher prices for produce.

People want to know where their food comes from and connect with the grower. Box systems or CSA's where people subscribe to weekly deliveries of produce is another way Aquaponics growers market into their communities.

Designing a Commercial Aquaponics System

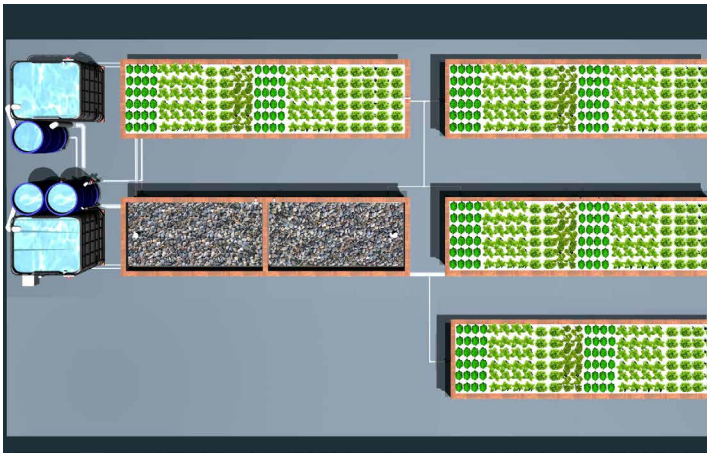
Aquaponics is scalable. You can start off with a small farm system and scale up as resources and markets develop.

There is a marked difference in operating a system for profit as opposed to a home system, in terms of productivity and efficiency. When you are making a living, decisions are crucial. Murray will show you how to streamline your operation and calculate ratios and timings for optimum performance.

If you want to start a business using Aquaponics, Murray knows it doesn't start at the build. There are many factors to consider which he will outline and provide you in the course. You will receive the tools to make informed decisions about your business.

Murray will explain in depth the components and functions in his model for Commercial Aquaponics systems, which have been built in various configurations throughout the world. Graphics and animations allow you to see exactly how they work. Interviews with students who are successful in business will give you an insight into what is possible.

This course will teach you how to build a system for your situation which will reap you rewards.



"Thank you for sharing your knowledge and would love to be able to spread the word and maybe hold seminars in Vic.! - Deborah Melinger

4 Aquaponics DIY Projects to get you started!

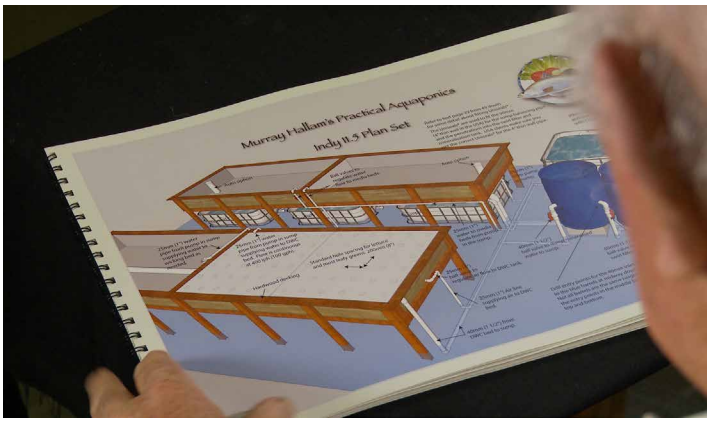
To get you started Murray will show you how to build ***4-different home systems***. We have step by step instructions. You will learn what is required and exactly how to do it. Even if you've never held a hammer or operated a saw, Murray has designed a small aquaponics system that you can build anywhere in the world based on commonly accessible material. Why not start building one during the course and jump straight into it? Build your home system or make it a training system before you go on to bigger things.

Weekly Course PDF

At the beginning of each week, you will be given a chapter of notes you can download for each class module. These, you can print and compile into a handbook as a permanent reference.

You can also take the lists of requirements to the hardware shop, utilize the record sheets and have the facts at your fingertips. They will be a great support to your learning and you can add your own notes to them.

Indy 11.5 Plan Set Free! Build your Dream System



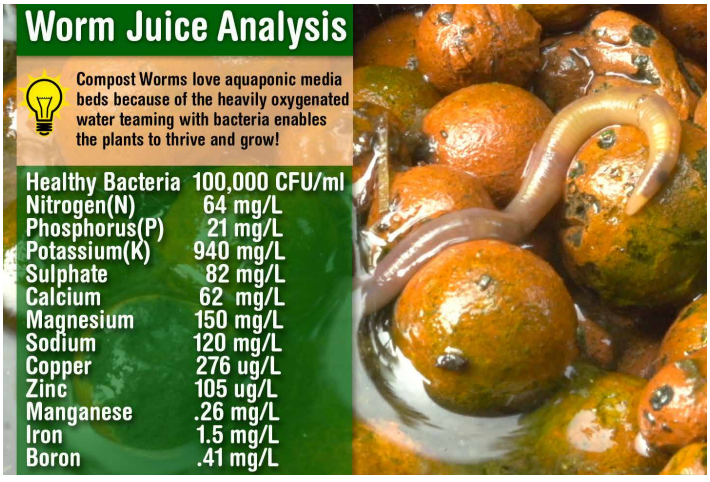
The Indy 11.5 plan set is a popular plan for a large home system which contains all the elements of the bigger systems. Murray usually sells this plan for $197 and is giving it to his students for free.

Build this robust and productive aquaponic system using this comprehensive plan set.

The Plan Set contains 16 full-colour A3 pages, plus over 40 pages of A4 building instructions, including a complete list of materials required.

Two different lay-outs are covered in the Plan Set - one with grow-beds side-by-side, for a wider space configuration, and another with beds in a straight line, for a longer, narrower spaces, such as down the side of a house.

This plan has all the elements of a commercial system and can be used as a basis for many larger designs.



BONUS DVDS

As a special bonus for being part of this course, you get free access to Murray's top 3 DVDs in streaming format. ***Aquaponics Made Easy*** explains the basics, ***Aquaponics Secrets*** takes you to the next level and ***DIY Aquaponics*** teaches you how to make a kit system. These videos are yours to enjoy, just for signing up to the course. Valued at AU$120. Aquaponics has never been this much fun!

Lesson Questions

Just like in a classroom, you are encouraged to ask questions after viewing each video lesson, so you can quickly build your knowledge base.

Each video varies from 5 min to 20 mins in duration. There are no boring white-board discussions in Murray's course. Each lesson is illustrated with video, animation or graphics to illustrate core concepts.

You are encouraged to ask as many questions as you like beneath each lesson. Murray will be on hand to clarify any aspect of the course.

You can post your suggestions or comments below each video and read other student responses as well.

7 Day Money Back Guarantee!

We are so confident that you will be delighted with Murray Hallam's **Online Aquaponics Design Course** that we will offer you a full ***7 day money back guarantee*** if you find the course is not for you. Just email a support ticket advising our staff and we will refund you the full price. You get a full 100% refund with no questions asked. How good is that? ***You have nothing to lose!***

Weekly Conference Calls!

Go ahead - ask your questions!

Enjoy weekly live calls with Murray Hallam. **Murray will be on hand to answer your class questions** in a live webinar and guide you over any design tips you need to know.
You'll be advised in our weekly newsletter the exact time the webinar will be held and if you miss out - don't worry, you'll still be able to gain access and watch a recorded version later at your convenience.

> An excellent course. Dense and comprehensive, but delivered in an engaging and accessible way. Very good value! - Craig Thorburn

BONUS! FREE FIBREGLASS TANK COURSE WORTH $500

At completion of the Aquaponics Design Course you are automatically enrolled in our Fibreglass Tank manufacturing Course valued at USD $500.

Fibreglass is one of the most inert and longlasting materials you can use to build your own dream aquaponics system.

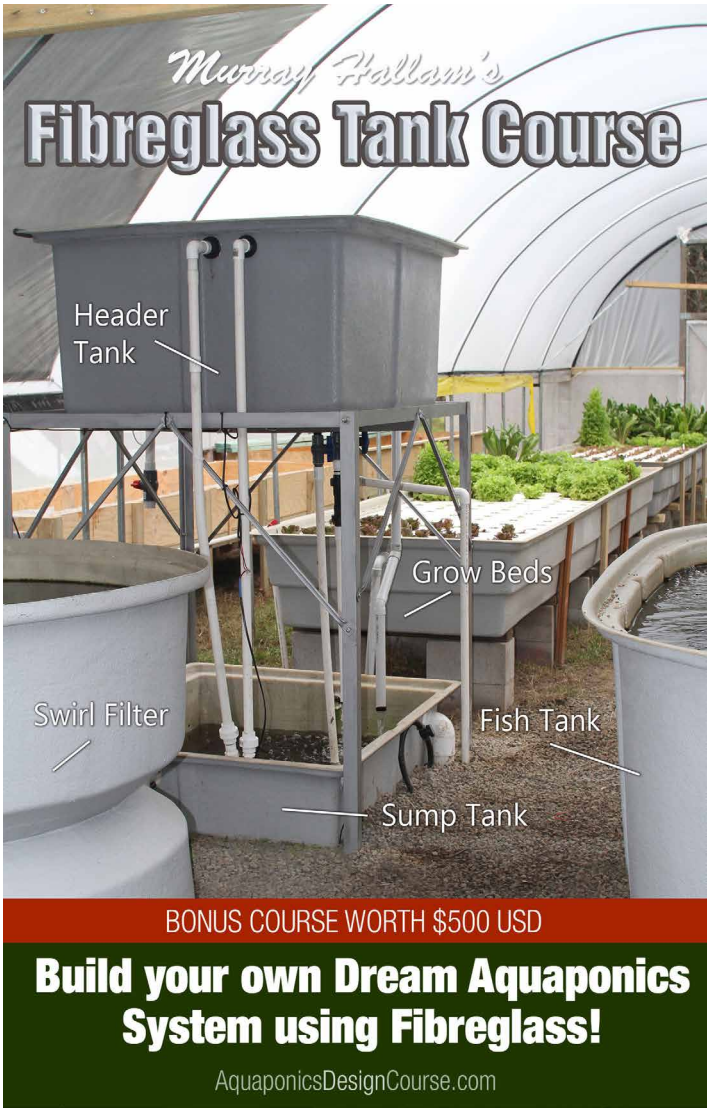
Murray Hallam as a former boat-builder and fibreglass tank manufacturer, will show you all the tips of the trade, how to build the moulds, work with resins, solve problems, fix leaks and build your own tanks for use in your own aquaponics systems or to build aquaponics tanks for sale.

Well made fibreglass tanks will last for over 50 years. Unlike plastic tanks, they can be repaired if damaged.

You will no longer be limited to working with off the shelf international bulk containers or commercially available blue barrels when making your own systems.

Learn the details of making your own fish tanks, sump tanks, grow beds, header tank and swirl filters.

It's terrific value and a necessary skill for any budding aquaponics designer!



We even show you how to build this water powered Carousel aquaponics system. It spins slowly around so every plant has full access to sunlight. Clever design!

BONUS! FREE SMALL FARM BUILD COURSE!

When you've completed our flagship Aquaponics Design Course, it's time to put all that theory into practise.

Come along on this new adventure, where Murray Hallam builds a farm system from scratch, based on all the knowledge you've gained.

Knowing the theory is not enough. You need to see all the theory put into practical action.

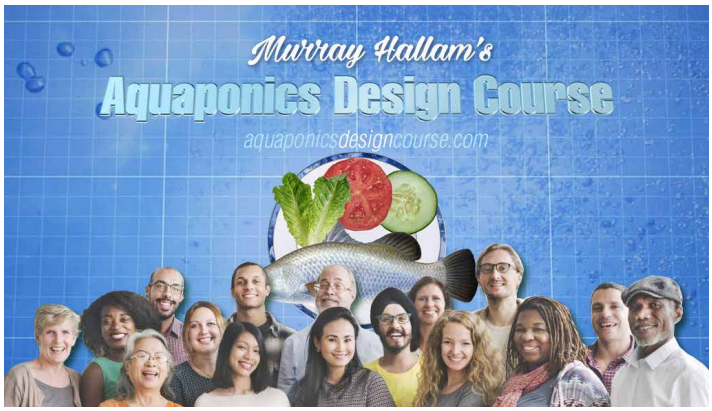
This farm was built for a student who did our course and now wants to grow all his vegetables for his restaurant.

This mini-course explains the process of building a small 6 x fishtank aquaponics farm inside a 50m x 10m greenhouse located in Queensland, Australia.

Everything you've learned in the Aquaponics Design Course is now demonstrated in practise - from plumbing the sumps, header/distribution tank to the swirl/settlement tanks and mineralisation tank.

Follow Murray Hallam in this three month adventure building an aquaponics farm system from start to finish! All our previous students get access to this course for free. How good is that?

GET ALL THE ANSWERS IN OUR COMMUNITY FORUM



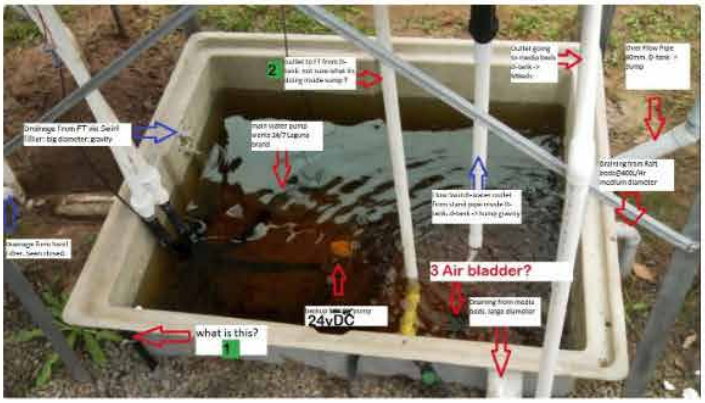
Building an aquaponics system from gleaning information online can be problematic. Sourcing fittings, valves, pumps and tanks in your country can be very frustrating when you're just starting out and need expert guidance.

That's why we give you immediate access to our Aquaponics Community Forum. It's where you'll meet new friends from our previous Online course.

Here you'll meet new friends, commercial farmers, academics and experienced designers sharing their tips and suggestions. You'll enjoy hanging out, swapping stories and learning from real experience - which pumps to avoid, what fittings work best and other aquaponic secrets.

Many students use the forum to meet other aquaponic designers in their country to connect and visit their farms.

(3) in the diagram what it looks like an air bladder to sense the water level. what is that for?
thanks



Murray Hallam Sunday at 9:41pm

It is lining made from LDPE
Low-Density Polyethene which is food safe

Like Reply

John Bowskill Tuesday at 11:54pm

I had trouble with my LDPE sheet. Tried 2 suppliers. One was called Panda and was white on one side, black on the other. But I found I could easily put a hole in it just with my fingernail when handling it. The other was off eBay and a bit better. But out of 4 beds that were 4.8m long. 3 had leaks that I had to repair after a few days. I could not find anything that was as stiff as the plastic in Murrays videos. I'm inclined to use fibreglass next time after doing the fibreglass course.

Like 1 Reply

Charles Ponsford on Mar 25

Sensible approach, especially for a commercial operation.

Like Reply

DeLynn Mason on Mar 29

Like this

The Aquaponics Design Course Community Forum is the ideal place for students to connect, kickback, ask questions and make new friends.

Course Curriculum

ENGAGEMENT - APPROX 3 HRS PER WEEK
The course material will be available for 12 months from the commencement date of the course.

Week One

Introduction Week 1
Chapter 1 Course Handbook pdf
Aquaponics from Murray's Perspective - 21mins
Aquaponics- the Basics - 22mins
History of Aquaponics - 8mins
Cycling the System - 11:20mins
System Components - 3:45mins
DWC - 5:50mins
Media Beds - 15mins
NFT - 4:15mins
Water Flow Loops - 6:15mins
Keep it Simple - 8:15mins
AusyFish Interview - 22mins
Bath Tub Build Instructions
Week 1 Closing Words
Quiz

Week Two

Introduction Week 2
Week 2 Course Handbook
Hydroponics V Aquaponics - 6:45mins
Decoupled Systems - 6:30mins
Parameters - 8:35mins
Water Testing - 17:20mins
Why Does pH Trend Down - 10:50mins
Additives for Adjusting pH - 14mins
Water Source - 14:10mins
Autosiphons - 13:40mins
Calculating Flow Rates -13mins
Aeration and Filtration - 2:30min
When To Add a Filter -3:20mins
Dissolved Oxygen - 6:30mins
Back Up Systems - 13min
Vertical Growing - 7 mins
How to Build GroPocket Towers -18mins
Ausyfish Packing Fish for Sale - 8:40mins
Week 2 Closing Words
Quiz Week 2

Week Three

Introduction Week 3
Week 3 Course Handbook
Plumbing Components - 22mins
Reusing Plumbing Fittings - 3:10mins
What is FloMedia ? 5:45mins
FloMedia Walk Through - 10:45mins
FloMedia Water Flow Gravity - 3mins
FloMedia Timber Bed Construction - 8mins
Folding the Liner - 5mins
FloMedia Drilling Holes - 2:30mins
FloMedia- Floating Rafts - 1:40mins
FloMedia Polystyrene - 4mins
FloMedia Maintenance - 1:30mins
FloMedia Pest Control - 1:55mins
Acclimatising Seed - 2:20mins
Papaya Seed Saving 4 mins
FloMedia Seed Saving - 4:50mins
FloMedia Conclusion - 3:50mins
Raising the Grow Beds 4:10mins
Cleaning the Media Beds 6 mins
Pine Combo Kit Build A -12mins
Pine Combo Kit Build B -10:40mins
Pine Combo Kit Build C - 15mins
Pine Combo Kit Build D - Fish Tank 5:15mins
AusyFish Netting and Sizing - 7:14 mins
Week 3 Closing Words
Week 3 Quiz

Week Four

Introduction Week 4
Week 4 Course Handbook
Introduction to the Indy System - 3.20mins
Indy 11.5 System Plans - 21.50mins
Indy23 Overview -13.20mins
Indy The Sumps - 3mins
Indy Water Flow 1 - 3:45mins
Indy Mineralisation - 11:20mins
Settlement Tanks - 5.50mins
Radial Flow Filter 1- 2:19mins
Building a Wicking Bed- 18:30 mins
Introduction to the Twindy - 9.50mins
Twindy Owner Interview - 23.30mins
Growing Seedlings - 14:30mins
Building on a Slope Intro - 2:20mins
Building on a Slope - Case Study - 15:30mins
Building on a Slope Summary - 3:30min
Week 4 Closing Words
Quiz Week4

Week Five

Week 5 Introduction
Week 5 Course Handbook
UVI System Explained - 28min
Commercial Filters - 7.10mins
Commercial - Farm Tour in Hong Kong - 13.10mins
Commercial - Running A Hybrid System - 13:20mins
Commercial Aeration System - 6:20mins
Commercial Aquaponics Solving Problems - 3.30mins
Common Problems -7:31
Hoop Greenhouses - 8mins
Passive Heating - 6:30 mins
Fish Health Checklist - 9.50mins
Salting New Fish - 4 mins
Calming Fish with Cloves - 8.05 mins
What to Feed Your Fish - Alternatives - 7mins
Ausyfish Raring Fish in Ponds - 14.30mins
Week 5 Closing Words
Quiz Week 5

Week Six

Introduction Week 6
Week 6 Handbook
1. Pumps -Water -11:45mins
Going Solar- 6 mins
2.Pumps-Solar - 2:40mins
3. Pumps- Fail Points in 24V pumps - 6:40mins
Solar The Battery Bank- 5:30mins
Solar Conclusion - 1:25
Fixing Nutrient Deficiencies - 6:10mins
Plant Nutrient Deficiency -Blossom End Rot - 2:15mins
An Example of Pythium - 4 mins
Plant Nutrients 1 - 2mins
Plant Nutrients 2 - 7mins
Plant Nutrients 3 - 3.30mins
Pollinating Tomatoes in Oman - 2.20mins
Brix Testing Fruit
Introduction to Pest Management - 6:50mins
Pest Management 2 - 6mins
Pest Management 3 -16mins
Case Study lli' lli farms Hawaii 13:40mins
Case Study Pedros Farm - 18:40mins
Increasing Your Grow Bed Space - Glen Martinez 7:30mins
Week 6 Closing Words
Quiz Week 6

Week Seven

Introduction to Week 7
Week 7 Handbook
Commercial Aquaponics Mega Farms - 3.20mins
Fish Stocking Densities - 11mins
Commercial Nutrient Density - 15:15mins
Commercial Nutrient Density 2 - 7mins
Horticultural Lighting - 8:40mins
Growing Under Lights Case Study -13mins
Growing Under Lights- Live Local Organics Oregon -7mins
Commercial Aquaponics Farm Owner Interview - 9:30mins
Interview With A Commercial Designer - 24:50mins
Interview with Leon Yeo - 9:25mins
Introduction to Oman System - 16 mins
Oman Pilot System Explained - 11 mins
Oman - Using a Civil Engineer - 6.20mins
Deciding What to Grow
Oman Farm Produce Success - 8.05 mins
Week 7 Closing Words
Quiz Week 7

Week Eight

Week 8 Introduction
Week 8 Handbook
How Big Should My Farm Be? - 8:10mins
Designing for Profit 1 - 25mins
Designing for Profit 2 - 29.50mins
Oman Farm Designer Interview
Case Study Manna Farms Korea 1 -22mins
Manna Farms Korea 2- 9:40mins
Manna Farms Korea 3 - 6mins
Manna Farms Korea 4 - 9:45mins
Manna Farms Korea 5 - 9mins
Manna Farms Korea 6 -11:55mins
Introduction to Madhavi Farm, India-12mins
Madhavi Farm Owner Interview - 16.20mins
Designing Madhavi Farm - Interview Arvind 16:50mins
Greenhouse Design and Filtration- India - 16mins
Madhavi Farm - Filtration 10mins
Madhavi Farms - Daily Checklists
Madhavi Farm - Solar Power System - 5mins

Week Eight Continued

Charging Microbial Diversity -11.30mins
Business Plan Tool - Simple 2:15
Business Plan - Detailed 5:30mins
Mind Mapping - 6:25mins
Design Exercise Criteria 15:50mins
Closing Words from Murray
Quiz Week 8
Design Exercise Submission

Bonus Videos

Aquaponics Made Easy 1hr 35mins
Aquaponic Secrets 1hr 50mins
Aquaponics the First 12 Months - 115mins
IBC Build - 46mins
Airlift Pumps with Glenn Martinez -17:35mins
Airlift Pumps in Aquaponics-14:20mins
Home Air Lift and Compost Chamber System - 9mins

Murray's Shorts

Murray's Story
Murray on 60minutes
Aquaponics Health Benefits
Growing Massive Papaya
Feeding A Family of Four
The Aquaponics Diet
Design Case Study - Philippines Orphanage
Easy and Simple Filtration
Solving Plant Root Problems
The Secret To Growing Bigger Lettuce
Compost Tea Brewer in Your System
Feeding Your Fish Land or Ocean Catch
Heating Your Greenhouse Over Winter
Finding An Alternative to Fish Pellets
Keeping New Fish Healthy
Powering Your System with Solar
Growing Medicinal Herbs and Plants

Bonus Courses:

Bonus Fiberglass Tank Course and Small Farm Build Courses are available at completion of the Aquaponics Design Course

Assessment

When the course is completed and if you wish to be certified, you will be required to submit Online, a design for an Aquaponics system.

Murray will explain all the requirements in Week 8 of the course. By then you should feel very confident you can tackle any project big or small.

You will be required to submit a design with supporting documentation.

We want you to demonstrate that you have a full understanding of what is required to build a fully functional and profitable system.

You will have 30 days after the course has finished to complete and submit your design.

If your submission is successful and you have completed the course requirements, you will be awarded an Aquaponics Design Certificate.

Each certificate is hand signed and dated by Murray Hallam and will be awarded by the Aquaponics Institute of Australia.

The original certificate will be posted to your address any where in the world.

Why makes this course so good?

Aquaponics is a new industry. We constantly revise our content and update our course material in every online course we run as new cutting edge knowledge and improved techniques are devised.

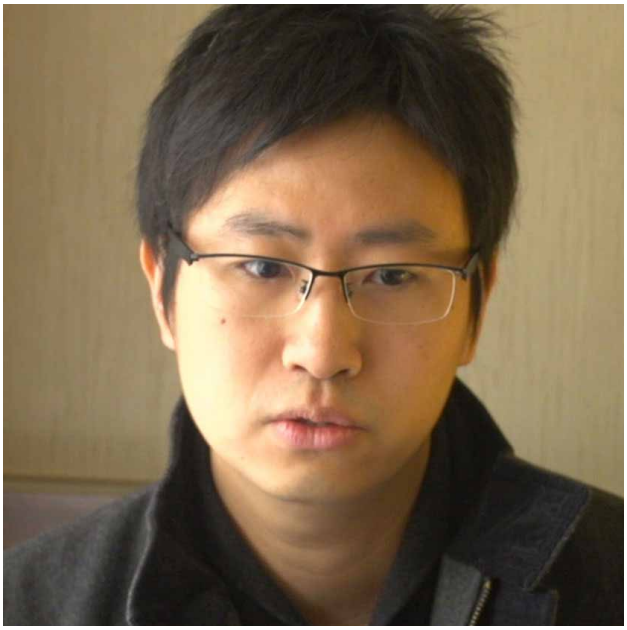
We have students do this same course from over 48 different countries and states around the world. Even Siberia and Alaska!

We pride ourselves in showing you real aquaponic farms around the world as case studies and we share the farm owner's techniques to get a better return on their investment.

Best of all, we visit our successful student farms, some over one acre in size and share their knowledge gained so you don't make the same mistakes.

We show you various methods people employ to boost your own aquaponics system whether you intend it to be a small home system or a large farm. The methods you will learn work for home or larger commercial systems.

Course Graduates



Leon Yeo, who has completed Murray Hallam's Aquaponics course now has gone on to design and build three large commercial aquaponic farms in mainland China, Hong Kong and Taiwan.

These are large installations, with the Chinese greenhouse currently being built, is a massive one hectare plant. The other greenhouse in Hong Kong is smaller at about 2,200 square meters.

Leon as the CEO handles the marketing and operations of all facilities. Leon says the organic market is two or three times the price of conventional food so people see opportunity. "Supply always lags demand." "A lot of people are demanding organic food but right now the supply is not getting there. One of the reasons if that a lot of people are using conventional organic cultivation methods to grow vegetables and the supply is not satisfactory to meet the demand. The cost of production is high (for regular farming), therefore it cannot attract capital." He said.

The main reasons he cited was the labor cost and the yield is not as high as conventional chemically based agriculture.

"Aquaponics does it better," he said, "because it uses less space, less labor and produces a lot of yield."

A lot of people are concerned about food safety problems and food purity issues of food grown in China. The rising middle class demand cleaner vegetables and are prepared to pay the higher prices that Aquaponics grown produce commands.

Leo says he sees great potential in aquaponics reaching a broader Chinese market at a price where everyone can afford to buy organic produce.

"Highly enjoyed my stay, the workshop was informative, practical, stuff you don't get off the net, books, etc. - Bruce McConnell

Course Graduates

Arvind Venkat, is the founder of WaterFarmers Aquaponics, a pioneering professional Aquaponic system design consulting group, which is dedicated to providing turnkey solutions for Aquaponics as a sustainable food production system around the world.
A graduate of Murray Hallam's aquaponics courses, Arvind has gone on to build commercial systems in Canada, India, Oman, Bahrain and Hong Kong.
"We have about 12 farms so far," he said, "and we're planning our thirteenth now." "We've done hybrid systems, media beds, floating raft, deep water culture, wicking beds and we're trying out verticals as well."

When asked about jobs in Aquaponics, Arvind says there is a strong future for good designers in Aquaponics. "Its not an easy lifestyle." He says, "There's a lot of traveling that goes with it. A lot of hard work and a lot of team work."

Arvind has about 12 people dispersed around the world that consult with his company designing Aquaponics systems. "Back home in Canada we have a group of four people."

"Together, we've managed to come up with this business model that can really cut it." He said. "I would encourage anyone that wants to take this on because we need more people who are designing good systems around the world."

"But I strongly, suggest that people first build their own farms, build their own systems first, develop themselves up in scale. Don't go out there and start developing a ten acre farm right off the back."

"We've built R & D systems and we've run them for four to six years before we've committed to anything commercial and we still R & D to get the answers into the future." He said.

Course Graduates

MannaBox partners Taebyong Jeon and CEO Aaron Park

Back in 2014, two young Korean students, Aaron Park an industrial design student and his friend and business partner Taebyong Jeon attended one of Murray Hallam's Aquaponics courses held on his farm in Brisbane Australia. They had already experimented with Aquaponics in their parents basement but wanted to learn more.
In class they were both polite but very quiet asking only a few questions. Murray Hallam was worried that they did not sufficiently understand his Australian accent.
He needn't have worried because within three years, both partners had taken the Aquaponics concept and spread it over six large greenhouses in central Korea building a brand known as MannaBox CEA.

With an Internet user base of over 10,000 subscribers to their lettuce in a box system, they quickly established a turnover of over $1.2 Million US dollars per month! Growing over 40 different vegetables they quickly diversified into boutique pesto in a bottle sauce mixes, relishes as well as other ideas like packaging Kale for the home juicer market.
The company has grown and employs over 60 full time staff and have a modern dining kitchen that feeds all staff very healthy and nutritious meals.

Different greenhouses are used to grow different produce. They have a greenhouse that only grows Kale based on wicking beds fed by fish waste. There is also a special nursery seedling greenhouse. The partners are also looking at growing eels as an exotic delicacy for the Korean market rather than low end value fish.

Korea would not be without automated electrical innovations that keep the greenhouse at a stable temperature over winter when temperatures can plummet to minus 20 degrees centigrade. The glasshouse have a bevy of triple layered shade cloth that automatically traps heat in over winter as well as automatically venting the enclosure over summer. Ironically the large volume of water always in play helps keep the farm stable over the changing seasons.

Because South Korea imports close to 90% of it's food requirements, MannaBox have seen remarkable expansion in their company growth. So much so that young people from the cities have gone back to farming in the rural area of Lwol-Myeon where their aquaponics farms are now based.

CEO Aaron Park explained that its not unusual to see growth in demand of 19% each month.

MannaBox staff with Murray Hallam

Example of Student Systems

An Aquaponics Course is only as good as the students it produces. Here are some examples from our Online course student designs.

Assessing designs is always a treat for Murray Hallam to ensure that students have understood the course and are confident in designing their own systems.

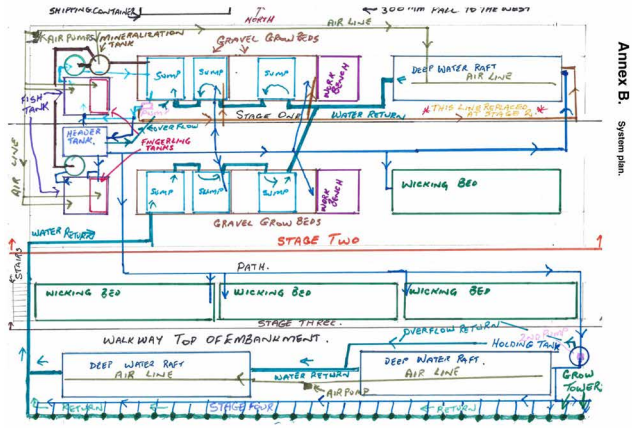
You don't have to be proficient in expensive CAD drawing or architectural visualization software. A simple pencil and paper sketch is sufficient for assessment that demonstrates your understanding of water flows and system design.

Student system built in Spain.

Student farm in Western Australia.

Student farm built in Queensland, Australia.

Student system built in Italy.



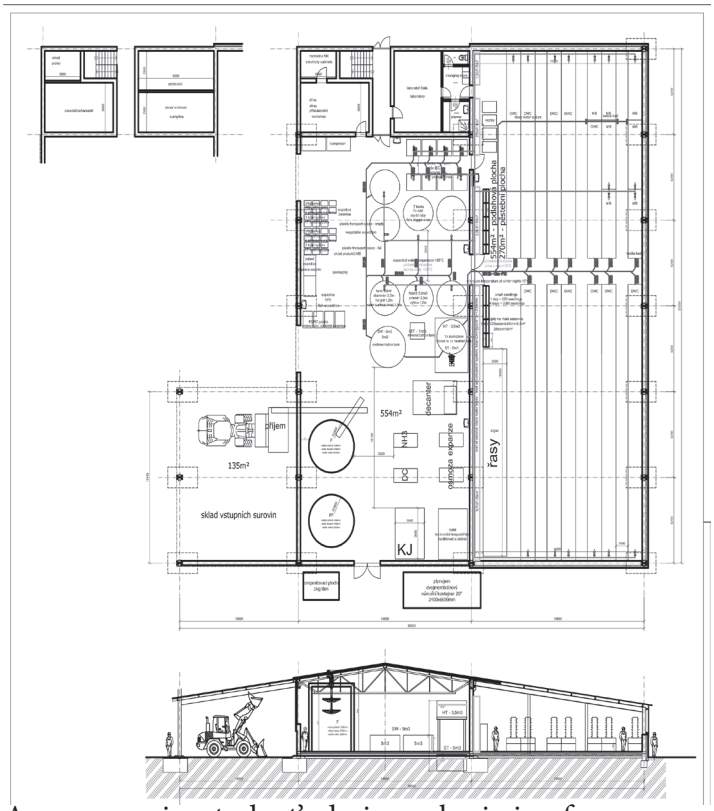
Annex B. System plan.

Design Submission example for course Certification.

> As a professional educator (and head of evaluation and research for a 100-year-old non-profit education group in the US), I was quite impressed with Murray's teaching style. His pacing, presentation and camera management was excellent and the length of his modules was perfect - especially for adult learners.
>
> - Joe Thomas, Colorado USA

Like our Facebook Page

Over 650,000 people like our Facebook Page! Like our page to stay up to date with the latest course developments and aquaponic activities around the world
https://www.facebook.com/AquaponicsDesign/



An aquaponics student's design submission for a commercial aquaponics farm .

Testimonials

We like to gauge feedback from all our students who complete the course and seek their evaluation.

"I have loved this course, the videos and the plans. I have learned everything I need to build and maintain any size system. It was great to be part of a large group of like minded students who I could communicate with and gain further insights from them."
- Jeremy Hill, NSW, Australia

"I love this online course and I can highly recommend it. The course is easy and very intuitive."
- Louis Freddy Carnel, Mauritius

"Do not let the price tag of this course intimidate you, it is worth every penny and more due to the quality and quantity of information and experience that is provided through the instruction. I have taken numerous online courses from a myriad of college, business and government sources, but none of them have matched up to the quality of this course."
- James K. Mick, Iowa USA

"Every video and every element of this course opened my eyes to the Aquaponics system, I was excited before about getting serious about aquaponics but now I can't wait to build my systems at home and commercially. Fantastic course."
- Mathew Peters, Australia

"As I beginner to aquaponics, I feel comfortable that I could easily go out and start building a home level system and grow into building larger systems in time. The Course gives you all the building blocks to keep you on the right path on building a successful aquaponics system without the trial and error that would come from just exploring the internet. Getting the correct information all in one place and seeing Murray's years of experience brings it all together for me."
- Paul Saitta, Texas USA

"The Aquaponics Design Course is a very complete course for both beginners as for advanced aquaponic enthousiasts. Murray has a fun way of teaching and is very quick in answering every question you ask during the course. Beware: once you start this course you will become an aquaponic addict!"
- Linda Grotenbreg, The Netherlands

"I have no hesitation in highly recommending this course to anyone who wishes to understand aquaponics, be it for home use or commercial. This course is of high value and the content first class and if like myself, you have had difficulty in attending a normal training session, then this is definitely the way to go."
- Kevin Rice, Victoria Australia

"By far the most professional and well- structured course I personally have ever done online. Not just about Aquaponics. Thankyou !!
- Karel Jan Fourie. Malaysia (Sabah)

Yes! Sign me up! I'm ready to Begin!

Ready to Start?

Because this is an interactive course, we are only taking limited numbers of students. Students are taught by Murray Hallam in a ***8-Week Aquaponics Design Course*** that has a number of weekly video lessons that will teach you the basics of design, right up to mid-system and beyond to full dynamic commercial aquaponics systems.

Is this an Evergreen Course?

No. You are encouraged to ask questions and interact with Murray Hallam after each video lesson. Common questions will be answered Online with weekly conference calls where questions can be answered in a live seminar.

What is the price of the Course?

USD $997. We accept Stripe and Paypal payment.

When does the Course start?

Student registrations open on the 3rd October. People will have a week to enrol but can immediately watch the first week's lessons. The course will officially start a week later and will end on 5th Dec. 2021. You will have an additional 4 weeks to submit your design for certification by 5th Jan. 2022. You will also have access to all course material for 1 year after the course starts.

Where do I sign-up?

www.aquaponicsdesigncourse.com

Need Help? Contact our Support staff at:

support@aquaponicsdesigncourse.net

Bank Information

We recommend you notify your bank that you are going to make a payment to the Aquaponics Design Course as we are located in Australia.
We use Stripe and Paypal to receive your payment, so your account details are always safe and secure.

Murray Hallam's Aquaponics Design Course

✔ ***8 x Week Aquaponics Design Course*** Aquaponics for Beginners Mid System Design Commercial Aquaponics Design	~~$1495~~
✔ ***Aquaponics Triple Pack DVDs*** Aquaponics Made Easy Aquaponics Secrets DIY Aquaponics	~~$120~~
✔ ***Bonus Fibreglass Tank Course***	~~$500~~
✔ ***Indy 11.5 Plan Set***	~~$197~~
✔ ***Weekly Course PDFs***	*Included*
✔ ***Design Assessment Weekly Conference Calls***	*Included*
✔ ***Certification***	*Included*
✔ ***Commercial Aquaponics Financial Spreadsheets***	*Included*
✔ ***Access to over 100 instructional video lessons***	*Included*

USD $997

Registration opens 3rd Oct. 2021

course runs from 3rd Oct 2021 - 5th Dec. 2021
You will have access to all Course materials for 1 year

stripe PayPal

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"Murray is a fantastic teacher and world class expert who is unparalleled in his field. - JD Messinger. USA

"Thank you, Murray, for your selfless sharing of all things related to aquaponics. Keep up the great work! " - Han Ong, Singapore

Learn Aquaponics

8-Week Online Course with Murray Hallam

Home, Small Farm to Commercial Systems

- Aquaponics Basics
- Small System Design
- 8 Week Course
- Money Back Guarantee
- Small Farm Design
- Weekly Live Webinars
- Fish Management
- Plant Management
- Mid Systems For Profit
- Feeding a Family of Four
- Plumbing Parts Explained
- 4 Kits Plans you can Build
- Indy 11.5 Design
- FloMedia Design
- Solving Plant Deficiencies
- Dynamic Video Lessons
- Commercial Aquaponics
- Aquaponics Certification
- Case Studies
- Over 100 Video Lessons
- Flow Rate Calculators
- Weekly Course PDFs
- Design Assessment
- Bonus Fiberglass Course

Murray Hallam is the leader in Aquaponics education. He has conducted Aquaponics Design Courses right around the world. Now for the first time, he is Online in a special Aquaponics event to teach you how to design and build your own profitable system for home, community and commercial systems. Murray's students have gone on to build amazing Aquaponics systems in Hong Kong, Oman, China and Canada.

3rd October - 5th December 2021

Murray Hallam's

Aquaponics Design Course

aquaponicsdesigncourse.com