

This short course is presented by Dennis Forte & Associates in conjunction with The Faculty of Natural Resources, Catholic University of Temuco, Chile.

# Aquafeed Extrusion Technology

5 - 7 SEPTEMBER 2022, SOUTH AMERICA (CHILE)

SHORT COURSE

## Overview

This course will be presented in English, with simultaneous translation into Spanish.

This 3-day course covers the principles of extrusion and the design of extrusion processes for aquatic feeds, as well as how the formulation interacts with the extrusion process. Principles learned will be demonstrated through an exercise run on a pilot extruder.

The program provides a good background in general extrusion technology, but is specifically directed at aquafeed extrusion. The course is relevant to both single and twin screw extrusion technology.

## Course Content

The course will cover topics from the basics of extruders and their configuration, through what is happening chemically and physically inside the extruder barrel, to an understanding of extruder dies and extruder instability.

### Topics covered include –

- › Principles of extruder configurations (single & twin screw)
- › Role of rheology in extrusion
- › Die types & effects, die design
- › Extrusion chemistry, recipe design
- › Product density control
- › Preconditioning for Extrusion
- › Causes & effects of extruder instability
- › Screw, barrel & die-plate wear
- › Extrusion troubleshooting

Examples in product formulation and the design of extrusion processes will be included to demonstrate application of the theory. Principles learned will be applied during the practical demonstration on Day 2. Important aspects of peripheral systems (eg raw materials pre-processing, preconditioning) are also covered.

## Course Presenter

Mr Dennis Forte is a chemical engineer with extensive experience in extrusion processing and die design, including aquafeed production. Dennis has worked with a wide variety of companies and extruded products.

## Venue

Fish Nutrition and Physiology Laboratory  
Department of Agricultural and Aquaculture Sciences  
Rudecindo Ortega Avenue 02950, an Juan Pablo II Campus  
Temuco, Chile

Tea/ coffee will be available from 9:00am on the first day, ready for the program to start at 9:15am. Presentations will conclude by 4:30pm on the final day.

## Registration Fee

CLP 850,000 per person (approx. USD1100 / EUR925)

Registration fee is set in Chilean Peso and will vary when converted to other currencies according to fluctuations in exchange rates.

A **10% discount** applied for registrations received by 25 July 2022.

An **additional 10% discount** applies for those attending consecutive courses.

An **additional 5% discount** applies for three or more course registrations received together from the same company.

The registration fee includes PDFs directly relevant to the presentation.

### REGISTRATIONS CLOSE 29 AUGUST 2022

Please register early - we reserve the right to cancel the program if insufficient registrations are received.

Register online via the course [webpage](#), or send participant details (name, company, address, email, ph) to [training@fie.com.au](mailto:training@fie.com.au)

## Further Information

Additional information can be found by visiting the course [webpage](#). Places can be reserved online from this page.

Information is also directly available from –

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## Books Published by the Course Presenter

Available to course participants at 20% discount to list price. Or order online from [fie.com.au/books](http://fie.com.au/books) or major booksellers.



› Full Planned Program available from course [webpage](#).