

Spring 2017 Water Modelling Training Courses

**For Project Managers and
Engineers, Surveyors,
Planners**



Now in their 8th year, Golovin is thrilled announce courses for spring 2017. Over 250 engineers, surveyors and managers have attended the courses.

If your staff are involved in stormwater consents, water supply or wastewater modelling, rivers and catchments and coastal engineering then consider their attendance at the following courses.

The courses will both jump-start and up-skill experienced graduates and also benefit non-modelling technicians in the water modelling field.

"Project Management for Modelling Contracts" was very beneficial for me. It was methodical, logical and helpful to both modeller and non-modeller alike. I took the concepts back to work and applied them immediately!

Ailsa Willis
Lower Murray Water, Victoria

Courses Available

Course 4 HEC-HMS - basic model set up, execution and results auditing

Course 5 HEC-RAS - basic model set up, execution and trouble shooting

These courses will be hands-on training.

There is a **maximum of 8 places** for each course to ensure good contact tuition.

Course Details

Course No.4

HEC-HMS - Hydrological Modelling

HEC-HMS is free software that is extensively used throughout New Zealand. Auckland Council developed the TP108 document in 1999 to ensure consistency with the hydrological assessment of developed and undeveloped sites. This course is designed to show how HEC-HMS is used to comply with TP108. For those outside Auckland it is still a methodology that is quicker and more efficient to generate flow and volume hydrographs.

This course will get in-experienced engineers and surveyors up-and-running so they can have confidence in running the software.

Elements include

- Review of TP108
- Overview of Precipitation-Runoff Processes
- Basin Precipitation
- Rainfall Loss Rates Computation
- Channel Routing
- Multiple catchment and stream modelling

Who should attend?

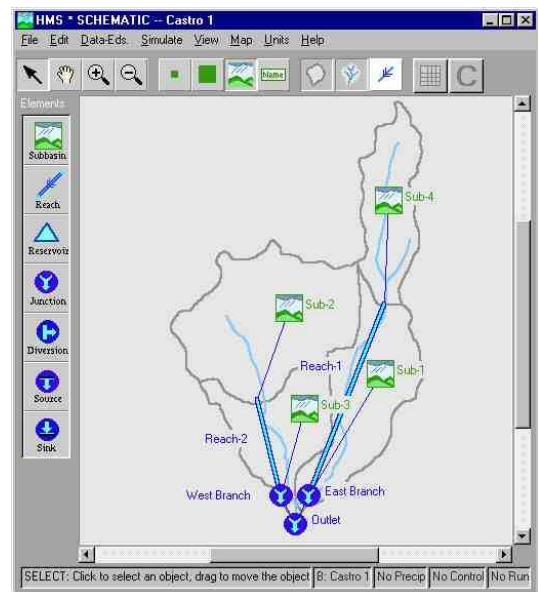
Graduate engineers

Graduate hydrologists

Part-time modellers who want to develop skills using free software

Survey technician who want to up-skill

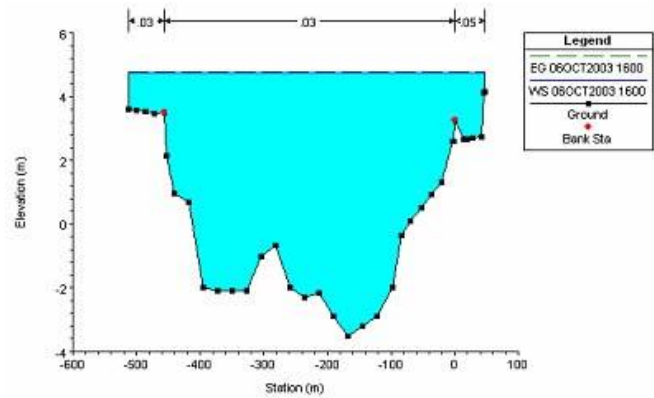
Bring your own laptop if you want to practise by yourself



Course No.5

HEC-RAS - Open Channel Modelling

HEC-RAS is free software that is extensively used throughout New Zealand. This course is designed to get in-experienced engineers and surveyors up-and-running so they can have confidence in running the software.



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Elements include

- Strengths and weaknesses of HEC-RAS
- Setting up a network
- Cross-section input
- Floodplain analysis
- Culverts and bridges
- Result interpretation and checking

Who should attend?

Graduate engineers

Part-time modellers who want to develop skills using free software

Survey technicians who want to up-skill

Bring your own laptop if you want to practise by yourself.

Each course will satisfy at least 3 core competency standards for IPENZ Continuing Professional Development

Course Leader

Dr Steven Joynes



Steven has 33 years' experience in developing, utilising and managing water modelling projects. Starting Hydraulic Modelling Services Ltd in 1992 this company has now serviced over 20 local and regional councils in New Zealand as well as numerous civil engineering and surveying companies.

He was the inaugural chairman of the Modelling Special Interest Group within Water New Zealand for 2 years.

Selling his business in 2005 he has set up Golovin in 2008. This company is dedicated to best-practice methods in water modelling which includes the development of the Modelling Policy Statement, peer review structures and training programmes.

Steven attends numerous conferences and seminars throughout New Zealand and Australia as both a speaker and to keep well-informed of new developments.

"Steve's style is hands-on and interactive. You can participate in the course to ensure maximum learning"

Brett Disley
Senior Modeller, Woods, Auckland

Course Dates and Locations

AUCKLAND

#4 HEC-HMS – Hydrological Modelling	6 th November 2017
#5 HEC-RAS – Open Channel Flow Modelling	7 th November 2017

All courses start at 9.00am and will be in a CBD location.

In-house Training

If it more cost effective to provide in-house training for your staff, at a date that suits you, then email steven@golovin.co.nz. State what course, location and how many to get an all-in price.

Investment

4. HEC-HMS - Hydrological Modelling	\$750+GST
5. HEC-RAS - Open Channel Modelling	\$750+GST

* Course fees include refreshments, lunch and course folder.

Multi-course discount

Register for 2 courses and receive a 10% discount

Same organisation discount

Register 2 or more from the same organisation and receive a 10% discount



Registration Details

Organisation

Postal Address

Email contact

Dietary requirements

Course	Date	Attendees Name	Fee (\$)
	Discounts		
	Sub-total		
	GST		
	TOTAL TO PAY		

Method of Payment

Invoice Me (purchase order or reference required)

Direct Credit Account Number **BNZ 02-0300-0085050-000**
Use your organisation name as a reference

Register by **email** to steven@golovin.co.nz or **post** to P O Box 5545, Hamilton 3242

Terms and Conditions

1. Registration is by 1st in - 1st paid basis.
2. If you cannot attend a course, a substitute participant is welcome.
3. If you withdraw from a course in writing or email more than 20 working days prior to the course, you will receive a full refund less a \$50 administration fee.
4. If you withdraw with 10 working days' notice, you will receive a 50% refund.
5. After this, if you do not attend the course there is no refund.
6. If a course is rescheduled or cancelled due to lack of numbers, or any other valid reason, you will be advised 10 working days before the course and your course fee will be refunded in full.
7. Participants are responsible for their own travel/accommodation bookings and no compensation will be made should the course be rescheduled or cancelled.

Authorisation Signature

Name _____

Signature _____ Date _____