

# Course Outline

## Intermediate Perl

### General Description

This three-day course enables students to progress from basic level Perl programming concepts to more advanced Perl programming features.

### Prerequisites

Programming experience in a structured language, such as C, C++, Java, or COBOL, is required as well as a basic familiarity with the Perl language.

### Course Details

Course code: ITC-IP

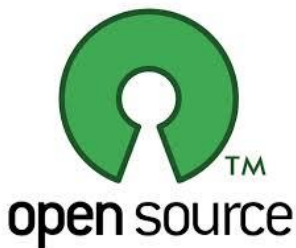
Duration: 3days

Starting time: 9am

Finishing time: 4.30pm

### Booking guidelines

Contact our learning consultants on 1300 86 87246 and we will assist you with your booking.



**☎ 1300 86 87246**  
**1300 TO TRAIN**

For more information about any of our training courses, contact our Learning Consultants  
on 1300 86 87246 or email us on [info@advancedtraining.com.au](mailto:info@advancedtraining.com.au)

Visit us on the web at [www.advancedtraining.com.au](http://www.advancedtraining.com.au)

# Course Outline

## ➤ 1. Advanced Regular Expressions

- Review: Basic Regular Expressions
- Modifiers
- Getting the Nth Occurrence of a Match
- Greedy vs. No-Greedy Matches
- Regular Expression Variables
- Special Characters in Regular Expressions
- Assertions
- Reading from Filehandles Using Split
- Multiple Line Matching
- Commenting Regular Expressions
- Alternative Delimiters
- Additional Resources

## ➤ 2. Advanced Formatted Output

- Review: The Format Statement
- Advanced Format Statement Features
- printf and sprintf
- Using Select
- The <> Operator
- Additional Resources

## ➤ 3. Exploring Useful Built-In Variables

- Perl's Built-In Variables
- Variables Reference Chart
- Use English
- ID Variables
- Status variables
- Separator Variables

- The Signal Handle Variable
- Version of Perl
- Program Start Time
- Additional Resources

## ➤ 4. Advanced File Handling

- Review: Basic File Handling
- Displaying the File Position
- Moving the File Position
- Opening Files for Reading and Writing
- Making "Files" within Your Script
- Locking Files
- Flushing Output Buffers
- Additional Resources

## ➤ 5. Pragmas

- Perl Pragmas
- Pragma Chart
- Review: use strict
- Predeclaring Subroutines
- Predeclaring Global Variables
- Additional Resources

## ➤ 6. Exploring Useful Built-In Modules

- Built-In Modules
- Module Table
- Cwd
- Env
- File
- Math
- Sys
- Text
- Fatal
- Additional Resources

## ➤ 7. Debugging Tools

- Review: The -w Switch
- Review: The Perl Debugger
- Debugger Commands
- Diagnostics
- Carp
- Data::Dumper
- Additional Resources

## ➤ 8. Perl/TK Basics

- Working with Windows
- Types of Widgets
- Geometry Managers
- Creating Widgets
- The OO Nature of the Tk Module
- Additional Resources

## ➤ 9. Perl TK Widgets

- Frames
- Labels
- Buttons
- Checkbuttons
- Radiobuttons
- Listboxes
- Scrollbars
- Scales
- Entries
- Creating Menus
- Additional Resources

## ➤ 10. Geometry Managers

- pack Options
- The -after and -before Option
- The -anchor and -side Options
- The -fill Option
- Padding with Pack
- Managing Widgets with Pack

# Course Outline

- Binding
  - The Focus Command
  - Additional Resources
- **11. Appendix A – Database Interfaces**
- Perl Databases
  - Using DBM
  - Overview of DBI
- **12. Appendix B – Perl Style/Coding Standards**
- Overview of Perl Style
  - The Man Page’s Style Guide
  - Tom Christiansen’s Style Guide
  - The Perl Beautifier