

# Ruby: Fundamentals

## Course Overview

This course will introduce students to Ruby, as well as teach them about classes, methods, variables, data structures, loops, enumerable methods, and finishing touches.

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| <b><u>Chapter 01 - Getting Started</u></b>               | 44m    |
| Topic A: History and Installation - Part 1               |        |
| History and Installation - Part 2                        |        |
| History and Installation - Part 3                        |        |
| Topic B: Conventions and Best Practices - Part 1         |        |
| Conventions and Best Practices - Part 2                  |        |
| Conventions and Best Practices - Part 3                  |        |
| <b><u>Chapter 02 - Classes and Methods</u></b>           | 1h 15m |
| Topic A: Classes - Part 1                                |        |
| Classes - Part 2   |        |
| Classes - Part 3   |        |
| Topic B: Methods - Part 1                                |        |
| Methods - Part 2   |        |
| Methods - Part 3   |        |
| Topic C: Object Oriented Programming - Part 1            |        |
| Object Oriented Programming - Part 2                     |        |
| Object Oriented Programming - Part 3                     |        |
| <b><u>Chapter 03 - Variables and Data Structures</u></b> | 1h     |
| Topic A: Variables - Part 1                              |        |
| Variables - Part 2                                       |        |
| Variables - Part 3                                       |        |
| Topic B: Arrays and Structs - Part 1                     |        |
| Arrays and Structs - Part 2                              |        |
| Arrays and Structs - Part 3                              |        |
| Topic C: Hashes - Part 1                                 |        |
| Hashes - Part 2  |        |
| Hashes - Part 3  |        |
| <b><u>Chapter 04 - Loops and Enumerable Methods</u></b>  | 46m    |
| Topic A: Loops - Part 1                                  |        |
| Loops - Part 2   |        |
| Loops - Part 3   |        |
| Topic B: Map, Inject, and Permutation - Part 1           |        |
| Map, Inject, and Permutation - Part 2                    |        |
| Map, Inject, and Permutation - Part 3                    |        |

**Chapter 05 - Finishing Touches**

1h 26m

Topic A: File Operations - Part 1

File Operations - Part 2

File Operations - Part 3

Topic B: Input and Output - Part 1

Input and Output - Part 2

Input and Output - Part 3

Topic C: RubyGems - Part 1

RubyGems - Part 2

RubyGems - Part 3

**Total Duration: 5h 11m**