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Notes:**



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# Course Goals and Non Goals



- Course Goals
  - Learning the fundamentals of Node with Mongo Db.
- Course Non Goals
  - Creating C++ modules for Node
  - Executing the code in Mac OS, Linux / Unix



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## Pre-requisites

- HTML, JavaScript-OOPS & jQuery Basics

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# Intended Audience

- Web application developers



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## Day Wise Schedule



- Day 1
  - Node Lesson 01 : Getting started with Node.js
  - Node Lesson 02 : Module Introduction
- Day 2
  - Node Lesson 02 : Module Introduction
  - Node Lesson 03 : Database and Session Handling
- Day 3
  - Express Lesson 01: Introduction of ExpressJs
  - Express Lesson 02: Templating Engines
  - Express Lesson 03:Working with Express.js
- Day 4
  - Express Lesson 03:Working with Express.js
  - Express Lesson 04:MEAN stack

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## Day Wise Schedule



- Day 5
  - Node Lesson 04 : Session Handling
  - Node Lesson 05 : Unit Testing, Logging & Debugging

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# Table of Contents



- Lesson 01 : Getting started with Node.js
  - JavaScript Essentials
  - How JavaScript works
  - Event loop
  - Stack, Heap and Queue
  - Node.js Fundamentals
  - Introduction to Node.js
  - Why Node.js?
  - Traditional Programming Limitations
  - Creating more call stacks
  - Event-Driven Programming
  - Node.js Official website
  - Downloading and Installing Node.js
  - Node.js Globals

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# Table of Contents



- Lesson 02 : Module Introduction
  - Working with Modules
  - Modules in Node.js
  - Loading a module
  - package.json usage
  - Creating package.json
  - Node Package Manager
  - Loading a third party module (installed via NPM)
  - Creating and exporting a module
  - Working with Buffers
  - Buffers in Node



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# References



➤ <https://nodejs.org/en/docs/>



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## Next Step Courses (if applicable)



- Creating Web application using MEAN (MongoDB, ExpressJS, Angular) Stack

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