SECTION 1: COURSE OVERVIEW / 19 mins, 5 parts

- **3/5 Course Curriculum Overview**
  - -> an overview of the content in the course

    - **-> Introduction section**
      - -> an overview
      - -> Python 2 vs 3
      - -> How to get a high return on investment on the course

    - **-> Python setup**
      - -> Python installation
      - -> Environment selection
      - -> Jupyter notebooks
      - -> Additional resources online
      - -> GitHub

    - **-> Live code sections**
      - **-> Object and data structure basics**
        - -> numbers, strings, lists, dictionaries, tuples, files, sets, booleans

      - **-> Comparison operators**
        - -> basic operators, chained comparison operators, quiz

      - **-> Python statements**
        - -> if, elif, else, for loops, while loops, range(), list comprehensions, test

      - **-> Methods and functions**
        - -> methods, functions, lambda statements, nested functions, scope, homework assignment

    - **-> Milestone project -> game**
    - **-> Live code sections**
      - **-> OOP**
        - -> objects, classes, methods, inheritance, special methods, homework

      - **-> Errors and exception handling**
        - -> errors, exceptions, try, except, finally, test

    - **-> Second milestone project -> more complex game in Python**
    - **-> Live code sessions**
      - **-> Modules and packages**
        - -> Creating / installing modules, exploring the Python Ecosystem

      - **-> Builtin functions**
        - -> map, reduce, filter zip, enumerate, all and any, complex

      - **-> Decorators**
        - -> three part series

      - **-> Python generators**
        - -> iterations vs generators in Python, homework assignment

- **-> Third capstone project**

- **-> Bonus content**
  - -> extra content / updates to the course are added to this section
  - -> object and data structures
  - -> support from them