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| **Section** | **Content** | **Notes** |
| 1 | Course Introduction  Quiz  Assignment  Presentations  Grades  Marketing Procedure | *Handout: Course Project*  *Handout: Angular 2+ Courses*  *Handout: Presentation 1 Requirements* |
| 2 | Core Java  Invitation Talk: Algorithms | *Assignment: Algorithms*  *Assignment: Course Project runnable* |
| 3 | J2EE | *Assignment: Course Project to Maven*  **Quiz 1** |
| 4 | MVC Framework | *Assignment: Project Upgrade to MVC*  **Presentation 1** |
| 5 | Spring Boot | *Assignment: Project Upgrade to Boot*  *Handout: Presentation 2 Topics* |
| 6 | Service Layer IoC | *Assignment: Project Upgrade to IoC*  **Quiz 2** |
| 7 | Data Access | *Assignment: Project Upgrade to JPA* |
| 8 | Transaction Management | *Assignment* |
| 9 | Aspect Programming | **Quiz 3** |
| 10 | MicroService in a Nutshell | *Invitation: HR checklist, Resume* |
| 11 | \*Web Security  (\*Optional) | **Quiz 4** |
| 12 | Tech Mock Interview  HR Mock Interview  Marketing Starts | **Presentation 2**  Resume Due |

**Syllabus – April 2019**

**Grades**

**Quiz:** Quiz 1 (20%); Quiz 2 (20%); Quiz 3 (15%); Quiz 4 (20%) ; Mock (25%)

Total must be 70+

**Assignments:** All Assignment Must Pass

**Presentations:** Must Pass

**Angular 2+ Courses:**

<https://www.udemy.com/angular-crash-course/>

<https://www.udemy.com/angular-4-front-to-back/>

<https://www.udemy.com/angular-essentials-angular-2-angular-4-with-typescript/>

**Course Project**:

clinical master is a simple platform designed for administrator, physician and patient. Administrator can edit physician and patient profile and has privilege to remove items. Physician and Patient can setup and manage appointment. Refer to “READ ME” in handout project.

**Presentation 1**:

1) Improve clinical master project user interface

2) Setup database and make project runnable

3) Add a new customized flow

**Presentation 2**:

Choose from topic list and complete a self-designed project.