Week of March 27:

  1) Intro
  2) OOP. Deliverable: in-class OOP activity

Week of April 10:

1) SOLID
2) Design Patterns: Adapter
3) Design Patterns: Builder
4) Design Patterns Singleton + Advanced Python, Observer

Week of April 17:

1) Design Patterns: Decorator + Flyweight
2) Design Patterns: MVC
3) Tiers, Web Architecture, Monolith vs Microservice
4) Project Work time (Due Monday!)

Week of April 24:

1) Availability, Scalability, Project work
2) Load balancing, Caching
3) AWS Lambda Functions, Serverless Architecture: Lecture + in-class work
4) Message Queues (with AWS/GCP examples?)
5) Testing (incl Github Setup)

Week of May 1:

1) Event-Driven Architecture (with AWS examples), Shared-nothing Architecture
2) Stream Processing, P2P
3) Guest Lecturer: Startup 101

Week of May 8: **SEMANA TEC. No class**

Week of May 15:

1) Webhooks, Federated architecture
2) Possible: Reverse Engineering Day (Case Studies)
3) How to get and keep a job in industry

Week of May 22:

1) Class Project Work time
2) Deliverable: Class project final

Week of May 29:

1) Class work time

Week of June 6:

1) Final Exam

Week of June 15:

1) Presentations, final exams