Course Name :

- *Airport Terminal Planning & Design*

Description :

- Explore the principles of terminal designs.
- Manage capacity.
- Support your terminal through infrastructure design.

About:

This capstone project is designed to allow you to take the knowledge you have gained through the specialization and put that knowledge into practice. In the capstone, you will create several of the key planning deliverables that have been discussed in these courses and either work on a project you choose or use a suggested case study.

Course Format :

- video (lectures)
- reading (lessons)
- video (case study)
- reading (exercises)
- quiz

What you will learn :

Upon completing this course, you will be able to:

✓ Participate actively in planning and optimizing projects by addressing terminal design issue.

- ✓ Improve how you integrate user and technical infrastructure requirements into your terminal.
- ✓ Identify terminal capacity and level of service (LOS).
- ✓ Identify opportunities for infrastructure improvements that can increase passenger convenience and revenue.
- ✓ Study Traffic management plan for your terminal.
- ✓ How to extend your terminal design

Who should attend :

Recommended for

- Engineers
- planners
- Terminal operators

Duration:

- 8 Weeks

Course content:

* Week 1 : get started.

* Week 2 : Airport terminal conceptual design.

* week 3 : Forecasting.

* Week 4 : Terminal capacity and LOS.

* Week 5 & 6 & 7 : Terminal operations support systems.

- Baggage handling system
- Terminal security planning and facilitation

- Airport access and landside facilities

- Automated people mover (APM)

- Passenger boarding bridge (PBB)

- Low cost terminal building design concept

* Week 8 : final project peer review evaluation.

Language instruction:

- English / Arabic

Activities:

- Exercise
- Final examination