

National Center of Excellence for Aviation Operations Research  
University of California at Berkeley  
Short Course

**Airport Systems Planning and Design**

Program – 2018

(Draft 1/23/18)

**MONDAY, JULY 9**

8:30-9:00	Welcome & introductions
9:00-10:05	Airport system planning
10:05-10:25	break
10:25-12:30	Airport strategic and master planning
12:30-1:30	lunch
1:30-3:05	Air traffic demand forecasting
3:05-3:25	break
3:25 – 4:15	Forecasting assignment
4:15-5:00	Master planning discussion

**TUESDAY, JULY 10**

8:30-10:05	Airline operations and economics
10:05-10:25	break
10:25- 11:30	Airline operations and economics (cont.)
11:30-noon	Airline operations assignment
Noon-1:00	lunch
1:00 -2:35	NextGen technologies and ATM modernization
2:35-2:55	break
2:55-4:30	Airspace and airport capacity
4:30-5:00	Airport capacity discussion

7:00 Dinner / Speaker: *TBD*

**WEDNESDAY, JULY 11**

8:30-10:05	Airfield layout planning and design
10:05-10:25	break
10:25-noon	Passenger terminal planning
Noon-1:00	lunch
1:00-2:35	Air cargo logistics and planning air cargo facilities
2:35-2:55	break
2:55-4:30	Airport ground access
4:30-5:00	Landside discussion

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**THURSDAY, JULY 12**

8:30-10:05	Environmental planning and management
10:05-10:25	break
10:25-12:30	Airport noise management
12:30-1:30	lunch
1:30-3:05	Airport land use compatibility planning
3:05-3:25	break
3:25-5:00	Current and emerging issues in airport planning, design & construction

**FRIDAY, JULY 13**

8:30-10:05	Airport finance
10:05-10:25	break
10:25-noon	Group presentations
Noon-12:30	Course summary
12:30	<i>Adjourn</i>