

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

**Airport Systems Planning and Design**

Program -- 2017

MONDAY, JUNE 19

8:30-9:00           **Introduction** / Gosling  
9:00-10:05       **Airport system planning** / Gosling  
10:05-10:25       break  
10:25-noon       **Airport strategic and master planning** / Stewart  
noon-1:00        lunch  
1:00-2:35        **Current and emerging issues in airport planning, design & construction** / Fife  
2:35-2:55        break  
2:55-4:30        **Air traffic demand forecasting** / Gosling

TUESDAY, JUNE 20

8:30-10:35       **Airline operations and economics** / Diamond  
10:35-10:55       break  
10:55-noon       **NextGen technologies and ATM modernization** / Oswald  
noon-1:00        lunch  
1:00-2:35        **Airspace and airport capacity** / Dunlay  
2:35-2:55        break  
2:55-4:30        **Use of Big Data and Virtual Design for Airport Planning** (*tentative*) / Neumayr

7:00                Dinner / Speaker: Jean Banker, Port of Oakland

WEDNESDAY, JUNE 21

8:30-10:05       **Airfield layout planning and design** / Cornell  
10:05-10:25       break  
10:25-noon       **Passenger terminal planning** / Wilson  
noon-1:00        lunch  
1:00-2:35        **Airport finance** / Richardson  
2:35-2:55        break  
2:55-4:30        **Air cargo logistics and planning air cargo facilities** / Phillips

THURSDAY, JUNE 22

8:30-10:05	<b>Airport ground access</b> / Gosling
10:05-10:25	break
10:25-noon	<b>Environmental planning and management</b> / Full
noon-1:00	lunch
1:00-2:35	<b>Airport noise management</b> / Fidell
2:35-2:50	break
2:50-4:25	<b>Airport land use compatibility planning</b> / Harmon
4:25-4:30	<b>Course summary</b> / Gosling