

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

**Airport Systems Planning and Design**

Program – 2018

3/23/18

**MONDAY, JULY 9**

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

**TUESDAY, JULY 10**

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

7:00 Dinner / Speaker: *TBD*

**WEDNESDAY, JULY 11**

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 Air cargo logistics and planning air cargo facilities / Phillips  
2:35-2:55 break  
2:55-4:30 Airport ground access / Gosling  
4:30-5:00 Landside discussion

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**THURSDAY, JULY 12**

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

**FRIDAY, JULY 13**

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

Faculty member in charge

**Mark Hansen**, Professor of Civil Engineering, Department of Civil and Environmental Engineering,  
University of California, Berkeley

Course Coordinator

**Geoffrey Gosling**, Principal, Aviation System Consulting, Berkeley, California

Instructional staff

**Thomas Cornell**, Vice President, Landrum & Brown, San Francisco, California

**Jim Diamond**, Managing Director, Operations Research and Advanced Analytics, American Airlines,  
Fort Worth, Texas

**William Dunlay**, Managing Member, WJDunlay Consulting, Tiburon, California

**Sanford Fidell**, President, Fidell Associates, Canoga Park, California

**William Fife**, Aviation Consultant, Merrick, New York

**David Full**, Vice President Aviation – Environmental Service Group Leader, RS&H, San Francisco,  
California

**Geoffrey Gosling**, Principal, Aviation System Consulting, Berkeley, California

**Lisa Harmon**, Aviation Planner, Mead & Hunt, Sacramento, California

**Scott Nason**, President, SDN TT&H Consulting, Dallas, Texas

**Christopher Oswald**, Vice President, Safety & Regulatory Affairs, Airports Council International – North  
America, Washington, DC

**Thomas Phillips**, Chief Executive Officer, Keiser Phillips Associates, Seattle, Washington

**Nora Richardson**, Director, Frasca & Associates, Houston, Texas

**Burr Stewart**, Aviation Strategic Planning & Sustainability Consultant, Seattle, Washington

**James Wilson**, Principal, WJD Planning, Chicago, Illinois

Dinner Speaker

*TBD*