

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

Airport Systems Planning and Design

Program – 2019

4/16/19

MONDAY, JULY 15

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 Airport planning discussion and group assignment
3:05-3:25 break
3:25-5:00 Air traffic demand forecasting / Gosling

TUESDAY, JULY 16

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 planning assignment group discussions

7:00 Dinner / Speaker: Michael Moran, The Port Authority of New York & New Jersey

WEDNESDAY, JULY 17

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
1:00-3:05 Air cargo logistics and planning air cargo facilities / Phillips
3:05-3:25 break
3:25-5:00 Airport ground access / Mandle

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

Airport Systems Planning and Design

Program – 2018 (Continued)

THURSDAY, JULY 18

8:30-10:05	Environmental planning and management / Full
10:05-10:25	break
10:25-noon	Airport noise management / Fidell
Noon-1:00	lunch
1:00-2:35	Airport finance / Richardson
2:35-2:55	break
2:55-4:30	Current and emerging issues in airport planning, design & construction / Fife
4:30-5:00	Airport planning assignment group discussions

FRIDAY, JULY 19

8:30-10:05	Airport land use compatibility planning / Harmon
10:05-10:25	break
10:25-noon	Group presentations
Noon-12:15	Course wrap-up
12:15	<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, Retired Managing Director, American Airlines, Grapevine, 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

Peter Mandle, Executive Vice President, InterVISTAS Consulting, Burlingame, California

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

Christopher Oswald, Senior 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

Michael Moran, General Manager, Planning & Environmental Services, Aviation Department, The Port
Authority of New York & New Jersey, New York