

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

Airport Systems Planning and Design

Program – 2018

6/27/18

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

6:30 Reception and Dinner / Speaker: Christina Heggie, JetBlue Technology Ventures

WEDNESDAY, JULY 11

8:30-10:05 Airfield layout planning and design / Brown
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

Nicholas Brown, Managing Consultant, Landrum & Brown, Cincinnati, Ohio

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,
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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

Christina Heggie, Investment Principal, JetBlue Technology Ventures, San Francisco, California