

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

Airport Systems Planning and Design

Program – 2021

3/3/21

All times Pacific Daylight Time.

WEEK 1

Tuesday, September 28

10:00 – 10:30 am	Course Introduction / Gosling
10:30 – 11:30 am	Airport System Planning / Gosling
12:30 – 2:00 pm	Airport Strategic and Master Planning / Stewart

Wednesday, September 29

10:00 – 11:00	Group Discussions
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Thursday, September 30

10:00 – 11:30 am	Airport Finance / Richardson
12:30 – 2:00 pm	Air Traffic Demand Forecasting / Gosling

WEEK 2

Tuesday, October 5

10:00 – 11:30 am	Airline Operations and Economics / Nason
12:30 – 2:00 pm	Air Cargo Logistics and Planning Air Cargo Facilities / Phillips

Wednesday, October 6

10:00 – 11:00	Group Discussions
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Thursday, October 7

10:00 – 11:30 am	Airspace and Airport Capacity and Delay / Dunlay/Hanowsky
12:30 – 2:00 pm	From Planning to Construction / Oswald

WEEK 3

Tuesday, October 12

10:00 – 11:30 am	Airfield Layout Planning and Design / Cornell
12:30 – 2:00 pm	Passenger Terminal Planning / Thurber

Wednesday, October 13

10:00 – 11:00	Group Discussions
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WEEK 3 (cont.)

Thursday, October 14

10:00 – 11:30 am	Planning for Industry Recovery from COVID-19 / Team
12:30 – 2:00 pm	Airport Ground Access / Mandle

WEEK 4

Tuesday, October 19

10:00 – 11:30 am	Environmental Planning and Management / Full
12:30 – 2:00 pm	Airport Noise Management / Fidell

Wednesday, October 20

10:00 – 11:00	Group Presentations
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Thursday, October 21

10:00 – 11:30 am	Airport Land Use Compatibility Planning / Thompson
12:30 – 1:30 pm	Planning for Unmanned Aircraft Systems and Future Air Mobility / Cohen
1:30 – 2:00 pm	Course Summary and Wrap-up / Gosling

Faculty member in charge

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

Course Coordinators

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

Michael Hanowsky, Director, Practice Lead for Data Analytics and Operational Planning, Woolpert, Burlingame, California

Instructional staff

Adam Cohen, Research Associate, Innovative Mobility Research Group, Transportation Sustainability Research Center, University of California, Berkeley

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

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

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

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

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

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Peter Mandel, 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

Maranda Thompson, Senior Aviation Planner, Mead & Hunt, Santa Rosa, California

Byron Thurber, Senior Aviation Planner, Arup, San Francisco, California