

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

Airport Systems Planning and Design

Program – 2020

6/28/20

All times Pacific Daylight Time.

WEEK 1

Tuesday, September 22

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

Thursday, September 24

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

WEEK 2

Tuesday, September 29

10:00 – 11:30 am	Airline Operations and Economics / Nason
12:30 – 2:00 pm	Planning for Industry Recovery from COVID-19 / Team

Thursday, October 1

10:00 – 11:30 am	Airspace and Airport Capacity and Delay / Dunlay/Hanowsky
12:30 – 1:30 pm	From Planning to Construction / Oswald
1:30 – 2:00 pm	Airport Planning Discussion

WEEK 3

Tuesday, October 6

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

Thursday, October 8

10:00 – 11:30 am	Air Cargo Logistics and Planning Air Cargo Facilities / Phillips
12:30 – 2:00 pm	Airport Ground Access / Mandle

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WEEK 4

Tuesday, October 13

10:00 – 11:30 am Environmental Planning and Management / Full

12:30 – 2:00 pm Airport Noise Management / Fidell

Thursday, October 15

10:00 – 11:00 am Airport Land Use Compatibility Planning / Smith

11:00 – 11:30 am Airport Environmental Planning Discussion

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

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

Corbett Smith, Senior Planner, Aviation, Mead & Hunt, Santa Rosa, California

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

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

Matt Townsend, Director, Frasca & Associates, Houston, Texas