



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

Airport Systems Planning and Design
Program – 2022

MONDAY, JULY 11

8:30-9:00	Welcome & introductions
9:00-10:35	Airport system planning / Gosling
10:35-10:55	break
10:55-12:30	Airport strategic and master planning / Stewart
12:30-1:30	lunch
1:30-3:05	Planning for the future of advanced air mobility / Cohen
3:05-3:25	break
3:25-4:30	Airport planning discussion and group assignment

TUESDAY, JULY 12

8:30-10:05	Air traffic demand forecasting / Gosling
10:05-10:25	break
10:25- noon	Airline operations and economics / Nason
Noon-1:00	lunch
1:00 -2:35	Environmental planning and management / Full
2:35-2:55	break
2:55-4:30	Airspace and airport capacity / Hanowsky
4:30-5:00	Airport planning group discussions

WEDNESDAY, JULY 13

8:30-10:05	Airfield layout planning and design / Cornell
10:05-10:25	break
10:25-noon	Passenger terminal planning / Thurber
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 finance / Richardson
7:00	Dinner / Speaker: <i>TBD</i>

Updated 3/8/2022



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THURSDAY, JULY 14

8:30-10:05	From planning to construction / <i>TBD</i>
10:05-10:25	break
10:25-noon	Airport ground access / Mandle
Noon-1:00	lunch
1:00-2:35	Airport noise management / Fidell
2:35-2:55	break
2:55-4:30	Airport land use compatibility planning / Thompson
4:30-5:00	Airport planning group discussions

FRIDAY, JULY 15

8:30-10:05	Planning for airport sustainability, climate change, and aviation decarbonization / <i>TBD</i>
10:05-10:25	break
10:25-noon	Airport planning group presentations
Noon-12:15	Course wrap-up
12:15	<i>Adjourn</i>

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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

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