



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

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