AA260 – Sustainable Aviation

Instructors
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Course Web Page
http://adl.stanford.edu/AA260

Course mailing List
Send an e-mail to aa260-class-join@lists.stanford.edu with no body and no subject.

Grading & Exams
No exams: neither midterm nor final
2 assignments
Mid-term and final papers
Final paper (50%), assignments (20%), mid-term paper (15%), class participation (15%)

Prerequisites
None

Schedule of Lectures
Lecture 1, Tue Mar 31: Course Outline, Introduction to the topics of AA260
Lecture 2, Thu Apr 2: Motivation for Technology and Operations Solutions
Lecture 3, Tue Apr 7: Projections of Growth: Fleet-Level Forecasting
Lecture 4, Tue Apr 9: Noise Impacts of Aviation
Lecture 5, Thu Apr 14: Noise Impact of Aviation: Discussion
Lecture 6, Tue Apr 16: Local Emissions Impact of Aviation
Lecture 7, Thu Apr 21: Local Emissions Impact of Aviation: Discussion
Lecture 8, Tue Apr 23: Aviation and Global Climate I
Lecture 9, Thu Apr 28: Aviation and Global Climate II
Lecture 10, Tue Apr 30: Aircraft and Ground Operations
Lecture 11, Tue May 5: Quantitative Assessment of Environmental Impact

Lecture 12, Thu May 7: Alternative Fuels I

Lecture 13, Tue May 12: Alternative Fuels II

Lecture 14, Thu May 14: Technology & Operations Alternatives I

Lecture 15, Tue May 19: Technology & Operations Alternatives II

Lecture 16, Thu May 21: Technology & Operations Alternatives III

Lecture 17, Tue May 26: Technology & Operations Alternatives IV

Lecture 18, Thu May 28: TBD

Lecture 19, Tue Jun 2: TBD